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CERTIFIED ISO 9001:2015 COMPANY

CE

RoHS

MSME UDYAM REG.NO.:
GJ-20-0071966

MASTER PRODUCT CATALOG - INDEX

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MANUFACTURING PRECISION WEIGHING & INDUSTRIAL AUTOMATION SOLUTIONS

ACCURACY | RELIABILITY | COMPLIANCE | INNOVATION

SCAN FOR DIGITAL CARD

Tap or Scan

ABOUT TAJ INSTRUMENTS

TAJ INSTRUMENTS, Rajkot (Gujarat), is a trusted Indian manufacturer and solution provider of high precision weighing instruments and industrial automation systems.

Established in 2017 under the proprietorship of **Mr. Aliasgar Shabbirhussain Bharmal**, we deliver innovative, reliable and cost-effective weighing solutions that empower industries to enhance productivity and efficiency.

Our products are engineered using premium quality components and latest technology with strict quality control standards to meet the requirements of industries, laboratories, commercial sectors and government departments.

OUR MISSION
is simple –
"Weighing at its Best"

OUR COMPLIANCE & CERTIFICATIONS

सत्यमेव जयते

- GOVERNMENT APPROVED
- UDYAM REGISTERED ENTERPRISE (MSME – सूक्ष्म, लघु एवं मध्यम उद्यम – MICRO, SMALL & MEDIUM ENTERPRISES)
- MSME ZED CERTIFIED (MSME Zed Certification)
- LEGAL METROLOGY APPROVED (Legal Metrology Approved)
- ISO 9001:2015 CERTIFIED (Certified ISO 9001:2015 Company)

CE | RoHS | RoHS COMPLIANT PRODUCTS

All Models Approved by RRSL Lab | Verified Scale Interval
We ensure that our weighing instruments comply with all legal and quality standards for accuracy, safety and reliable performance.

OUR PRODUCT RANGE

- Platform Weighing Scales
- Industrial Weighing Scales
- Weighbridges
- Crane Scales
- Hanging Scales
- Table Top Scales
- Bench Scales
- Indicators & Controllers
- Load Cells
- POS Scales
- Laboratory Balances
- Automation & Data Systems

INDUSTRIAL AUTOMATION SOLUTIONS

- RS485 MODBUS Communication
- TCP/IP Ethernet Communication
- WiFi & Bluetooth Weighing Systems
- Wireless Weighing Solutions
- Label Printing & Barcode Systems
- Data Logging & Reporting
- PLC / SCADA Connectivity
- Printer & Peripheral Integration
- Custom Software Solutions

INDUSTRIES WE SERVE

- Manufacturing
- Pharmaceutical
- Chemical
- Food & Beverages
- Logistics & Warehousing
- Steel & Metal
- Agriculture
- Retail & Commercial
- Laboratories & Research
- Government & Institutions

SAFETY & DOCUMENTATION

- Lithium-Ion Battery MSDS
- Sealed Lead Acid Battery MSDS
- REACH & GHS Compliant Documentation
- Industrial Safety Data Sheets
- Export & Shipping Documentation Support

LEGAL METROLOGY COMPLIANCE

- All Models Approved By RRSL LAB
- Verified Scale Interval

LEGAL METROLOGY COMPLIANT

QUALITY COMMITMENT

We are committed to deliver superior quality products with zero defect manufacturing and work towards zero effect on the environment through sustainable practices.

ZERO DEFECT. ZERO EFFECT.

WHY CHOOSE TAJ INSTRUMENTS?

- Government Approved & Compliant
- High Accuracy & Reliable Products
- Advanced Technology & Automation
- Strong After Sales & Technical Support
- Custom Built Solutions for All Industries
- Ethical Business & Long Term Relationship
- Pan India Service Network

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TAJ INSTRUMENTS

Manufacturing Precision Weighing & Industrial Automation Solutions

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> "At TAJ INSTRUMENTS, we strongly believe in:
> "Nothing Else Attracts Customer like Quality & Prompt Service""

TRUSTED BY INDUSTRY LEADERS

FMCG | BANKING | PHARMA | STEEL | WAREHOUSING | LOGISTICS | EDUCATION | INFRASTRUCTURE | AUTOMATION | GOVERNMENT ORGANIZATIONS

Our commitment to accuracy, durability and timely service has earned the trust of leading organizations across diverse industries.

OUR ESTEEMED CLIENTS (PARTIAL LIST)

Balaji Wafers Pvt Ltd Rajkot (GJ)	Greenply Industries Ltd Bamanbore, Rajkot (GJ)	Everest Industries Ltd Katni (MP)	Venkatesh Hatcheries Pvt Ltd Secunderabad (AP)	Adani Pharmachem Pvt. Ltd Rajkot (GJ)	National Bulk Handling Corporation Pvt Ltd Ahmedabad (GJ)	Central Bank Of India Multiple Locations (GJ)
Barbeque Nation Hospitality Ltd Rajkot (GJ)	Calderys India Refractories Ltd Morbi (GJ)	Edelweiss Commodities Service Ltd Ahmedabad (GJ)	Captain Tractors Pvt Ltd Rajkot (GJ)	Directorate General of Foreign Trade (JT. DGFT) Rajkot (GJ)	Tirth Agro Technology Pvt Ltd "SHAKTIMAN" Rajkot (GJ)	Saint Gobain India Pvt Ltd Chennai (TN)
Bank of Baroda Rajkot (GJ)	Central Warehousing Corporation Anand (GJ)	Hitachi Terminal Solutions India Pvt Ltd Bangalore (KA)	NIT Karnataka Surathkal - Mangalore (KA)	Saurashtra University Rajkot (GJ)	Clartech Engineers Pvt Ltd Ahmedabad (GJ)	Amerise Pharmaceuticals Pvt Ltd Ahmedabad (GJ)
Mech-Well Industries Ltd Nashik (MH)	Pradeep Mining & Construction Pvt Ltd Bhubaneswar (Odisha)	Somnath Temple Veraval Somnath (GJ)	VVP Engineering College Rajkot (GJ)	Technical Associates Ltd Lucknow (UP)	Erva Health Care Pvt Ltd Wankaner (GJ)	Silver Pumps Rajkot (GJ)
Marwadi Education Foundation Group of Institutions, Rajkot (GJ)	Department Of Civil Engineering – Aligarh (UP)	Centroid Plastopack Industries Rajkot (GJ)	Revils Pumps Rajkot (GJ)	Nakoda Industries Chhindwara (MP)	Transport Logistic Pvt Ltd Udaipur (RJ)	and many more... serving across India

SERVING CLIENTS ACROSS INDIA

Gujarat, Maharashtra, Karnataka, Rajasthan, Tamil Nadu, Andhra Pradesh, Madhya Pradesh, Odisha, Delhi, Uttar Pradesh, Haryana and more...

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WARRANTY TERMS

- **1 Year Warranty** against manufacturing defects, warranty for **main mother board only,** no warranty for any other parts.
- In warranty we are only responsible for **main circuit/motherboard only,** other parts which is damage due to misuse is not covered in FREE warranty, for any issue we sure provide service but it's on **paid basis.**
- The Warranty will be **void** in case of damage due to **misuse, over voltage, fire, water, riot, act of God etc.**
- **Load cell damage** in any case is not covered in FREE Warranty;
- The Warranty **does not cover perishable items** like accessories and fittings like battery, printer head, main lead power cable, load cell, switch, transformer etc or any other parts, warranty given is for **main mother board only.**
- There Is **No Warranty** for **External Printer** or **Printer Head Etc.**

---

* During the warranty period, if the product is submitted for service, a minimum of 1 (one) working day will be required for inspection and repair.
* **GST @ 18%** will be charged extra on all service and repair charges.
* Each Pc Duly Certified By Gujarat Legal Meterology Department,will provide copy of certificate along with invoice.
* For Lab Balance NABL Certification Charges Extra
* In Gujarat or Out Of Gujarat State On Site Service or Installation Charges extra as actual on paid basis

*** NOTE:**

This warranty covers only manufacturing defects arising due to poor workmanship, assemble or use of defective material. This warranty does not apply to any parts replaceable due to normal wear & tear, overloading beyond the rated capacity, usage to pirated software, accident, improper use/maintenance, misuse, abuse, negligence, tampering, mishandling, breakages, repair/ attempt to repair by unauthorized person, poor power supply conditions, extreme dust, corrosion, lightning or poor environmental condition. This warranty also does not cover all plastic parts, battery, printer, print-head, printer parts, paper, ribbon and consumables, re-verification / re-stamping during warranty period.

BANK DETAIL:

*Firm Name: TAJ INSTRUMENTS
*City: RAJKOT (Gujarat)
*Bank: ICICI BANK
*Branch: Jaihind Press Building, Rajkot(Main Branch)

*Current Account No. 015305500826
*IFSC Code: ICIC0000153
*SWIFT CODE: ICICINBBCTS
*UPI Id: tajinstruments@icici

*Business WhatsApp Number: +91 9328511234

*E-mail: tajinstruments@gmail.com / sales@tajinstruments.in

*Call For Service Support: 9328521234

Retail Outlet / Service Timing 10:00 AM to 7:00 PM (Shop Closed on Sundays)

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("Quality is remembered long after the price is forgotten")

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TERMS CONDITIONS

For After Sales Repairing & Service

1. For products not covered under warranty, a minimum inspection/service charges of mini **₹200/- to ₹350/-** will be applicable. Customers may choose to proceed with repair or not after inspection.
2. During or after the warranty period, visiting/service charges for repairs at the customer's site will be applicable as per company policy.
3. Warranty will **not cover** any damage caused due to misuse, negligence, impact damage, water/liquid entry, short circuit, overloading, voltage fluctuation, fire, or natural calamities.
4. Products are accepted for repair only after physical inspection. Once the product is opened, if any fault such as short circuit, burnt components, tampering, or physical damage is found during inspection, the company shall not be held responsible. Customers are requested to agree to these terms before submitting the product for repair.
5. For repair charges between **₹250/- to ₹550/-**, repairs may be carried out without prior approval from the customer. If the estimated repair cost exceeds **₹500/-**, customer approval will be taken before proceeding.
6. After delivery of the repaired product, the company shall not be responsible for any further issues or defects.
7. Immediate repair service may not always be possible. Estimated repair time may vary from **12 hours up to 3 days** depending on the nature of the fault and parts availability. The customer will be informed accordingly. The company will not be liable for any losses caused due to delay in repair/service.
8. Customers must collect repaired products within **10 days** from the date of intimation/completion. After this period, the company shall not be responsible for the product.
9. The company will not be responsible for any damage caused while fitting or replacing batteries. Batteries may also fail naturally over time. Battery-related issues such as short backup or no backup are generally related to battery condition and not the product circuit.
10. No guarantee or warranty will be provided for loose parts, accessories, locks, connectors, or external items supplied or replaced during repair/service.
11. If any spare part required for repair is unavailable, the repair may take additional time. Customers will be informed accordingly. The company will not be responsible for any **inconvenience or losses caused due to such delays.**
12. No guarantee/warranty will be provided on repaired or serviced products unless specifically committed in writing.

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(Shop Closed on Sundays)

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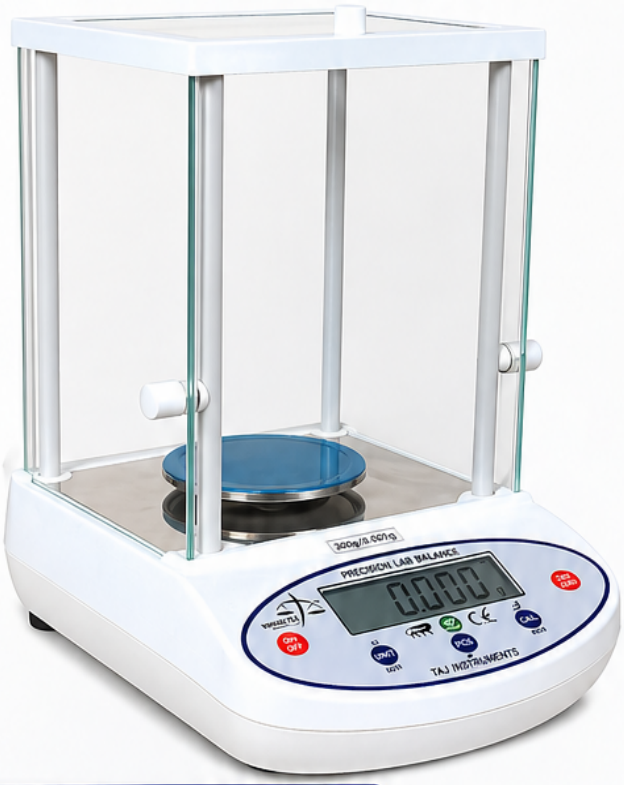
MFG.BY:
TAJ INSTRUMENTS-INDIA
(An ISO, CE, RoHS Certified Co.)

ANALYTICAL LAB BALANCE

LOAD CELL BASED TECHNOLOGY

- HIGH ACCURACY
- RELIABLE & DURABLE
- PRECISION MEASUREMENT
- ECONOMICAL & EFFICIENT



TECHNICAL SPECIFICATIONS

Make	:	TAJ INSTRUMENTS
Model	:	Analytical Lab Balance
Max Capacity	:	300g
Accuracy (e)	:	±0.001g (1mg)
Repeatability	:	0.002g
Linearity	:	±0.003g
Minimum Weight	:	30mg
Pan Size	:	90mm
Technology	:	Load Cell Based
Calibration	:	Internal with 200g standard weight
Standard Weight	:	200g Included
Power	:	Direct Power Only
Dimensions (mm)	:	200 × 265 × 300 mm

FEATURES

- ✓ LCD Display with Backlight
- ✓ The backlight has a power saving mode
- ✓ AC/DC dual-use
- ✓ Overload alarm / Level indicator
- ✓ Weigh / Count / Percentage / Unit Conversion
- ✓ Antistatic glass windproof cover
- ✓ Lightweight & Durable
- ✓ Reliable & Accurate Electronic Scale

- LCD DISPLAY WITH BACKLIGHT
- AC/DC DUAL USE
- OVERLOAD ALARM / LEVEL INDICATOR
- ANTISTATIC GLASS WINDPROOF COVER



CLEAR LCD DISPLAY



HIGH CONTRAST BACKLIGHT DISPLAY

WHAT'S SUPPLIED



200g STANDARD WEIGHT SUPPLIED WITH SCALE

APPLICATIONS

- Laboratory Use
- Gold & Silver Weighing
- Precision Measurement Work

ECONOMICAL | **HIGH PRECISION** | **PROFESSIONAL GRADE**

1 YEAR WARRANTY
(For main motherboard only)

NOTE:
NABL or Legal Metrology Certification Available On Demand

WATCH DEMO VIDEO
https://youtu.be/rhvBGsM3YDs?si=FlkUQYPx1aMPn38w

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WEBSITE:
www.tajinstruments.in
www.tajinstruments.com

RAJKOT, GUJARAT, INDIA

MFG.BY: TAJ INSTRUMENTS-INDIA
MSME UDYAM Reg.No.: GJ-20-0071966

WEIGH TAJ
weighing at its best

Model:

DJ SERIES GOLD BALANCE

(Load Cell Based)



Max Capacity	: 600g
e/accuracy (+/-)	: 0.01g (10mg)
Readability (Least Count) :	100mg (Smallest weight increments the scale can detect and display)
Pan Size (Round)	: 112mm (4.5" inch)
Display	: 0.56" GREEN LED Display (In Standard Model It Comes with Front/Back Display)
Outer Body	: ABS Virgin Plastic
Battery	: 6V-1.2Ah Auto Rechargeable Battery (Battery Backup 8-10hrs)
Power	: AC 110V/220V/240V
Calibration	: External with Standard Weights
Tare Range	: 25% of Capacity
Zero Adjustment	: Manual Zero
Operating Temperature	: 0°C to +45°C
Humidity	: Up to 85% RH, Non-Condensing



FEATURES

- Load Cell Based Technology
- Lightweight & Durable
- Reliable & Accurate Electronic Scale
- Useful for Lab,Gold & Silver Weighing Application

1 YEAR WARRANTY

INTERFACE / CONNECTIVITY (OPTIONAL)

RS232 Printer / RS232 C Interface

Note:
NABL or Legal Meteorology Certification Available On Demand

YouTube Demo Link:
https://youtu.be/qPUwCxUUz-E?si=OF61085KpF2UCKQW

Location: Rajkot, Gujarat | CALL: 9328511234

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Model:

DJ SERIES GOLD BALANCE

(Load Cell Based with Wired Universal Receipt Printer)

✔ **Instant Receipt Printing (Sr.No., Date, Time & Weight)**



SPECIFICATIONS

Max Capacity	:	600g
e/accuracy (+/-)	:	0.01g (10mg)
Readability (Least Count)	:	100mg
Pan Size (Round)	:	112mm (4.5" inch)
Display	:	0.56" GREEN LED Display
Outer Body	:	ABS Virgin Plastic
Battery	:	6V-1.2Ah Rechargeable
Power	:	AC 110V/220V/240V
Calibration	:	External
Tare Range	:	25% of Capacity
Zero Adjustment	:	Manual Zero
Operating Temperature	:	0°C to +45°C
Humidity	:	Up to 85% RH, Non-Condensing



Wired Universal Receipt Printer



Wired Connection (RS232 Interface)

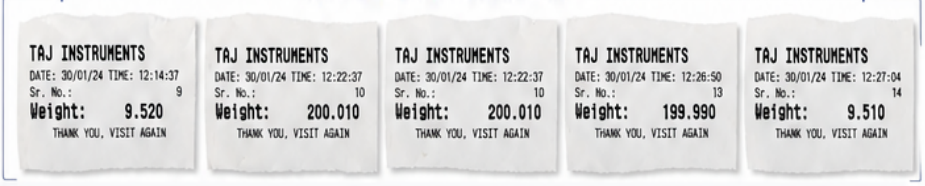
RECEIPT PRINTING OUTPUT INCLUDES

- ✔ Sr. No.
- ✔ Date
- ✔ Time
- ✔ Weight
- ✔ Custom Company Name (Programmable)

FEATURES

- ✔ Load Cell Based Technology
- ✔ High Precision & Accurate Measurement
- ✔ Instant Receipt Printing
- ✔ Lightweight, Durable & Compact Design
- ✔ Reliable Performance
- ✔ Ideal for Jewellery, Laboratory & Industrial Use

SAMPLE PRINTED OUTPUT



1 YEAR WARRANTY
(Main Motherboard Only)

INTERFACE / CONNECTIVITY

RS232 Printer Interface

IDEAL APPLICATIONS

Jewellery | Laboratory | Industrial | Education

Note: NABL / Legal Metrology Certification Available on Demand

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GD SERIES – GOLD BALANCE
(WITH GLASS WINDSHIELD)



TECHNICAL SPECIFICATIONS

Make	TAJ INSTRUMENTS
Model	GD Series – Gold Balance
Max Capacity	600 g
E/Accuracy (±)	0.01 g (10 mg) (Display: 0.00)
Pan Size (mm)	100 mm
Repeatability	50 mg

KEY FEATURES

- Auto Zero Tracking
- Auto Calibration
- Auto Power Saving Function
- User Friendly Operation
- 6 mm Bright GREEN LED
- Inbuilt Battery Backup
- ABS Body
- Overload Protection
- Weather & Water Proof Tactile Keyboard
- High Accurate Load Cell
- Power Consumption: 12 – 15 W
- Power Supply: 230V ±10%, 50Hz
- Operating Temperature: 0°C to 50°C

INTERFACE / CONNECTIVITY (OPTIONAL)

- RS232 Printer Interface
- RS232-C Communication

YOUTUBE DEMO LINK | https://youtu.be/1tLWZEsKt7Q?si=GDfKLFs5J7zOA99m

1 YEAR **WARRANTY** (For Main Motherboard Only)

HIGH ACCURATE LOAD CELL | OVERLOAD PROTECTION | WEATHER & WATER PROOF | INBUILT BATTERY BACKUP | USER FRIENDLY OPERATION

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ELECTRONIC PRECISION BALANCE

MODEL: TI-FRH (LED)



2Kg Model
Square Pan



1200g Model
Round Pan

- HIGH PRECISION
- ADVANCED TECHNOLOGY
- LED — RED LED DISPLAY
- OVERLOAD PROTECTION

KEY FEATURES

- External Calibration
- High Readability Load Cell System
- LED — Bright RED LED Display (High Visibility)
- UNITS — Multi Weighing Units (g, ct, oz, lb, etc.)
- Piece Counting Function
- O/T — Zero / Tare Function
- Auto OFF Function
- Overload Protection & Warning
- Optional Under Hook Weighing
- Optional RS232 Interface
- Optional External Display

TECHNICAL SPECIFICATIONS

Calibration	External Calibration
Display	Bright RED LED Display
Pan Size	Ø115 mm (Round Pan) / Square Pan (2Kg Model)
Housing	ABS Body with SS Platter
Units	g, ct, lb, oz, tola, T/M/R, T/A/R
Power Supply	Rechargeable Battery / AC Adapter
Digit Height	15 mm
Working Temperature	0°C to 40°C
Load Cell	High Readability Load Cell
Auto Functions	Zero Tracking, Auto OFF
Overload Protection	Yes
Interface (Optional)	RS232, External Display, Under Hook

AVAILABLE MODELS

Model	Capacity	Readability (d)	Repeatability	Linearity
TI-FRH-1200	1200g	0.01g	±0.01g	±0.01g
TI-FRH-2000	2Kg	0.01g	±0.01g	±0.01g

ADDITIONAL DETAILS

- Pan Diameter : Ø115 mm
- Warm-up Time : 15 Minutes
- Net Weight : ~1.4 Kg
- Power : DC 9V / 100mA Adapter (Battery 6V/4Ah)
- Packing : 6 Pcs / Carton
- Carton Size : 475x385x450 mm

APPLICATIONS

LABORATORY | JEWELLERY | INDUSTRIAL | EDUCATION | PHARMACY | RESEARCH

1 YEAR WARRANTY
(For Main Motherboard Only)

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Rajkot, Gujarat, India

MFG.BY: TAJ INSTRUMENTS-INDIA

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Model:
TIKX
Mini Scale

A LOW COST GENERAL PURPOSE WEIGHING SCALE



Ideal for Restaurants and bakery industry. The TIXX has a bright green LED 0.56" digital display for easily view. It has a high grade ABS body and large Plastic washable tray for routine cleaning.

It ensures accurate weighing even in high humidity areas as its splash-proof design. The digital kitchen scale is battery operated, easy to use.

The scales feature auto zero tracking to automatically compensate for small fluctuations in zero such as a build up of material on the platform.

To extend battery life an auto-off feature is standard the operator can set the auto off timing to between 1 minute and 30 minutes of inactivity to suit the application. Alternatively the auto off function can be switched off, leaving the scale permanently on until switched off by the operator.

The balance can be powered by DC Adaptor.

- 0.56" GREEN LED DISPLAY
- SPLASH PROOF
- BATTERY OPERATED
- AC ADAPTOR OPTIONAL
- LARGE WASHABLE TRAY

FEATURES :

- Very low cost general purpose scale
- Highly portable – easy to carry & use
- Auto Glow control LED display for easy viewing / optimal backup
- Power Source with AC adaptor or dry cell batteries
- Complete ABS – corrosion free body
- Pcs Counting Function, User settable sleep Mode & Auto Off
- User define auto Zero setting

AVAILABLE CAPACITY

Capacity	e/Accuracy(+/-)	Pan Size
7Kg	1g	150 x 150 mm
5Kg	0.5g (500mg)	150 x 150 mm
1Kg	0.1g (100mg)	150 x 150 mm

PCS COUNTING FUNCTION
Easy parts counting for inventory and batch control.

SLEEP MODE & AUTO OFF
User settable sleep mode and auto off to save battery.

AUTO ZERO TRACKING
Automatically compensates for small zero fluctuations.

DURABLE ABS BODY
Strong, corrosion free body for long lasting performance.

POWER OPTIONS

- 3.7V LITHIUM BATTERY (INCLUDED)
- DC ADAPTOR (OPTIONAL)

WEBSITE
www.tajinstruments.com

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9328511234 / 8511201789

E-MAIL
sales@tajinstruments.in

One Stop Solution For Your Weighing Needs - www.tajinstruments.in

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MFG.BY: TAJ INSTRUMENTS-INDIA

MSME UDYAM Reg.No.: GJ-20-0071966

WEIGH TAJ ® weighing at its best

Model:

SS MICRO MINI-4V TABLE TOP SCALE

(140×160mm) – 5K



LOAD CELL BASED TECHNOLOGY | HIGHLY ACCURATE | LIGHTWEIGHT & DURABLE | IDEAL FOR GOLD & SILVER WEIGHING | IDEAL FOR LAB USE

Max Capacity	: 5 Kg
e/Accuracy (+/-)	: 0.5 g (500mg)
Readability (Least Count)	: 1.5 g
Pan Size	: 140 × 160 mm (5.5" × 6.5")
Load Cell	: Single Point Off Center 88mm Small LC
Display	: 0.56" Indian Green LED (Front & Back)
Outer Body	: SS Body with MS Base Plate
Battery	: 2000mH Lithium (Auto Rechargeable) (Battery Backup: 8–10 Hours)
Calibration	: External (Standard Weight)
Tare Range	: Up to 25% Capacity
Zero Adjustment	: Manual Zero
Power Supply	: 230V AC ±10%, 50Hz Built-in Rechargeable Battery Backup
Power Consumption	: Low Power Consumption Design
Operating Temperature	: 0°C to +45°C
Humidity	: Up to 85% RH, Non-Condensing

Load Cell:

Single Point Off Center
88mm Small LC



1 YEAR WARRANTY

(For Main Motherboard Only)

FEATURES

- Load Cell Based Technology
- Lightweight & Durable
- Reliable & Accurate Electronic Scale
- Useful for Lab, Gold & Silver Weighing Application

Note:
NABL or Legal Meteorology Certification Available On Demand

Outer Body	Battery	Power	Calibration	Tare Range	Zero Adjustment	Operating Temp.	Humidity
SS Body with MS Base Plate	2000mH Lithium (8–10 Hours)	230V AC ±10%, 50Hz	External with Standard Weights	Up to 25% Capacity	Manual Zero	0°C to +45°C	Up to 85% RH, Non-Condensing

Address: Gujari Bazar Main Road, Nr.Kansara Bazar, RAJKOT-36001(Gj)

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ISO 9001:2015 | CE | RoHS | MSME UDYAM Reg.No.: GJ-20-0071966

MFG.BY:

TAJ INSTRUMENTS-INDIA

(An ISO, CE, RoHS Certified Co.)

ITEM: MINI COUNTER SCALE - A SERIES

LOAD CELL BASED TECHNOLOGY

- HIGH ACCURACY
- RELIABLE & DURABLE
- PRECISION MEASUREMENT
- LOW POWER CONSUMPTION

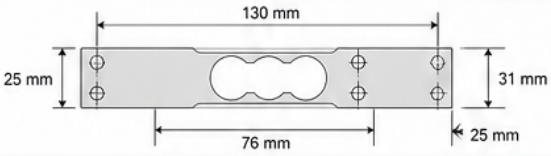


TECHNICAL SPECIFICATIONS

Model	:	SS MINI COUNTER SCALE-6V (175x225mm)-A Series
Pan Size	:	175×225mm (7"x9")
Load Cell	:	Single Point Off Center 130mm TT LC
Display	:	0.56" Indian Green Led Display (front/back both side)
Outer Body	:	Steel Body with MS Base Plate
Battery	:	4V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
Calibration	:	External (by standard reference weight)
Tare Range	:	25% of Capacity
Zero Adjustment	:	Manual Zero
Power Supply	:	230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
Power Consumption	:	Low Power Consumption Design
Operating Temperature	:	0°C to +45°C
Humidity	:	Up to 85% RH, Non-Condensing

LOAD CELL





Load Cell: Single Point Off Center 130mm TT LC

CAPACITY TABLE

Max Capacity	Accuracy (e)	Readability
5 Kg	0.1 g (100mg)	0.5 g
10 Kg	0.5g (500mg)	1.5 g
15 Kg	0.5g (500mg)	1.5 g
20 Kg	0.2g (200mg)	1 g

APPLICATIONS

- Retail Shops
- Packing & Counting
- Industrial Use
- General Weighing

1 YEAR WARRANTY (For Main Motherboard Only)

FEATURES

- ✓ High Accuracy & Stable Performance
- ✓ Bright Green LED Display (Front & Back)
- ✓ Rechargeable Battery Backup 20-24 Hours
- ✓ Auto Power Saving Function
- ✓ Overload & Low Battery Indication
- ✓ Strong Steel Body with MS Base Plate
- ✓ Easy Operation & Long Life

WhatsApp Product Inquiry:
8511201789 / 9328511234

Website:
www.tajinstruments.in
www.tajinstruments.com

Location: Rajkot, Gujarat, India

CERTIFIED ISO 9001:2015 COMPANY

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MSME सूक्ष्म, लघु एवं मध्यम उद्यम MICRO, SMALL & MEDIUM ENTERPRISES

*MSME UDYAM Reg.No.: GJ-20-0071966

MFG.BY: TAJ INSTRUMENTS-INDIA

ITEM: REGULAR TABLE TOP SCALE – A SERIES





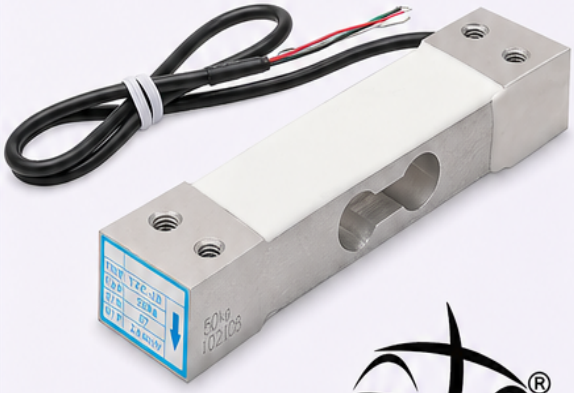


TECHNICAL SPECIFICATIONS

Model:	SS REGULAR TABLE TOP SCALE-6V (240x300mm) – A Series
Pan Size:	240 × 300 mm (9.6" × 12")
Load Cell:	Single Point Off Center 130mm TT LC
Display:	0.56" Indian Green LED Display (Front & Back Both Side)
Outer Body:	Steel Body with MS Base Plate
Battery:	6V-4.5Ah Sealed Lead Acid (Auto Rechargeable)
Battery Backup:	20–24 Hours
Calibration:	External (By Standard Reference Weight)
Tare Range:	25% of Capacity
Zero Adjustment:	Manual Zero
Power Supply:	230V AC ±10%, 50Hz
Power Consumption:	Low Power Consumption Design
Operating Temperature:	0°C to +45°C
Humidity:	Up to 85% RH, Non-Condensing

LOAD CELL

Single Point Off Center
130mm TT LC



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CAPACITY TABLE

Max Capacity	Accuracy (e)	Readability
10 Kg	0.2 g (200 mg)	1 g
15 Kg	0.5 g (500 mg)	1.5 g
20 Kg	0.5 g (500 mg)	1.5 g
30 Kg	1 g	2 g

1 YEAR

1 YEAR WARRANTY
(For Main Motherboard Only)

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*Website: **www.tajinstruments.in / www.tajinstruments.com**

Location: **Rajkot, Gujarat**

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MSME UDYAM Reg.No.: GJ-20-0071966

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Model:

MS MICRO MINI-4V

(Load Cell Based)



Max Capacity	: 10Kg
e/Accuracy (+/-)	: 1g
Readability (Least Count)	: 3g (smallest weight increments the scale can detect and display)
Pan Size	: 140×160mm (5.5" x 6.5")
Display	: 0.56" Indian Green LED Display (Front/Back both side)
Outer Body	: MS Color Coated Body with MS Base Plate
Battery	: 2000mH Lithium (Auto-Rechargeable) (Battery Backup: 8-10hrs)
Power Supply	: 230V AC ±10%, 50Hz Built-in Rechargeable Battery Backup
Calibration	: External (by standard reference weight)
Tare Range	: 25% of Capacity
Zero Adjustment	: Manual Zero
Operating Temperature	: 0°C to +45°C
Humidity	: Up to 85% RH, Non-Condensing



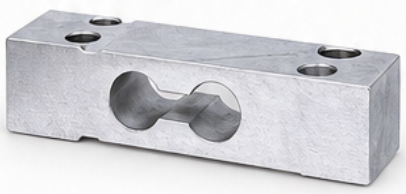
FEATURES

- Load Cell Based Technology
- Lightweight & Durable
- Reliable & Accurate Electronic Scale
- Low Power Consumption Design
- Useful for Lab, Industrial & General Weighing Application

1 YEAR WARRANTY
(Main Motherboard Only)

LOAD CELL

Load Cell: 88mm Small TT LC



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WEIGH TAJ® weighing at its best

Model:

SS MICRO MINI-4V TABLE TOP SCALE

(140×160mm) – 10K



- LOAD CELL BASED TECHNOLOGY
- HIGHLY ACCURATE
- LIGHTWEIGHT & DURABLE
- IDEAL FOR GOLD & SILVER WEIGHING
- IDEAL FOR LAB USE

Max Capacity	: 10 Kg
e/Accuracy (+/-)	: 1 g
Readability (Least Count)	: 1 g
Pan Size	: 140 × 160 mm (5.5" × 6.5")
Load Cell	: Single Point Off Center (88mm Small LC)
Display	: 0.56" Indian Green LED (Front & Back)
Outer Body	: SS Body with MS Base Plate
Battery	: 6V Rechargeable Battery (8–10 Hours Backup)
Calibration	: External (Standard Weight)
Tare Range	: Up to 25% Capacity
Zero Adjustment	: Manual Zero
Power Supply	: 230V AC ±10%, 50Hz
Power Consumption	: Low Power Design
Operating Temperature	: 0°C to +45°C
Humidity	: Up to 85% RH, Non-Condensing

Load Cell:

Single Point Off Center
88mm Small LC



1 YEAR WARRANTY

(For Main Motherboard Only)

FEATURES

- Load Cell Based Technology
- Lightweight & Durable
- Reliable & Accurate Electronic Scale
- Useful for Lab, Gold & Silver Weighing Application

Note:
NABL or Legal Meteorology Certification Available On Demand

Outer Body SS Body with MS Base Plate | **Battery** 6V Rechargeable (8–10 Hours) | **Power** 230V AC ±10%, 50Hz | **Calibration** External with Standard Weights | **Tare Range** 25% of Capacity | **Zero Adjustment** Manual Zero | **Operating Temp.** 0°C to +45°C | **Humidity** Up to 85% RH, Non-Condensing

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MFG.BY: TAJ INSTRUMENTS-INDIA

Model: MS MINI-4V (175×225mm) – 20K

SPECIFICATIONS

- **Model:** MS MINI-4V (175×225mm)-20K
- **Max Capacity:** 10/20Kg (Max Cap: 20Kg)
- **e/Accuracy(+/-):** 1/2g (Dual Accuracy) (upto 10kg = 1g, above 10kg to 20kg = 2g)
- **Readability (Least Count):** 5g (Smallest weight increments the scale can detect and display)
- **Pan Size:** 175×225mm (7"×9")
- **Load Cell:** 88mm Small TT LC
- **Display:** 0.56" Indian Green LED (Front/Back Both Side)



Indian Green LED Display

- **Outer Body:** MS Color Coated Body with MS Base Plate
- **Battery:** 4V 2Ah Sealed Lead Acid (Auto Rechargeable, Backup: 10 – 15 hrs)
- **Calibration:** External (Standard Weight)
- **Tare Range:** 25% of Capacity
- **Zero Adjustment:** Manual
- **Power Supply:** 230V AC ±10%, 50Hz Built-in Rechargeable Battery
- **Power Consumption:** Low Power Design
- **Operating Temperature:** 0°C to +45°C
- **Humidity:** Up to 85% RH (Non-Condensing)



FEATURES

- ✓ Dual Accuracy for Better Performance (1g up to 10kg, 2g from 10kg to 20kg)
- ✓ Front & Back Both Side Display
- ✓ Rechargeable Battery Backup (10 – 15 hrs)
- ✓ Sturdy MS Body with MS Base Plate
- ✓ High Precision & Fast Response

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Location:
Rajkot, Gujarat

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*MSME UDYAM
Reg.No.:
GJ-20-0071966

MFG. BY: TAJ INSTRUMENTS-INDIA

MODEL:

MS REGULAR TABLE TOP SCALE-4V (240x300mm)



SPECIFICATIONS

Pan Size	240×300mm (9.6"x12")
Load Cell	Single Point Off Center 88mm Small LC
Display	0.56" Indian Green LED Display (Front/Back both side)
Outer Body	MS Color Coated Body with MS Base Plate
Battery	4V 2.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup: 10–15 hrs)
Calibration	External (by standard reference weight)
Tare Range	25% of Capacity
Zero Adjustment	Manual Zero
Power Supply	230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
Power Consumption	Low Power Consumption Design
Operating Temperature	0°C to +45°C
Humidity	Up to 85% RH, Non-Condensing

LOAD CELL:

Single Point Off Center Small 88mm TT LC



MAX CAPACITY

Max Capacity	e/Accuracy	Readability
8 / 20 / 30 Kg	1 / 2 / 5 g (Triple Accuracy)	15 g
50 Kg	5 g	20 g

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Location: Rajkot, Gujarat

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सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES
UDYAM REGISTRATION NUMBER
UDYAM REG.NO.:GJ-20-0071966

MFG. BY : TAJ INSTRUMENTS - INDIA

ITEM: ABS CHOTU MINI COUNTER SCALE

(DUST & SPLASH PROOF)

DUST & SPLASH PROOF – BUILT FOR TOUGH ENVIRONMENTS

The scale is specially designed with a sealed ABS body and protected keypad to resist dust particles and water splashes from all sides, ensuring reliable performance and longer life.

DUST PROOF



Protected against dust particles

SPLASH PROOF



Protected against water splashes

SPECIFICATIONS

- ★ **Motherboard** : Weightaj High Precision SMD Based Motherboard
- ★ **Pan Size** : 175 × 225mm (7"x9")
- ★ **Load Cell** : Single Point Off Center 130mm TT LC
- ★ **Display** : 0.56" Indian Green Led Display(front/back both side)
- ★ **Outer Body** : ABS Virgin Plastic Body
- ★ **Battery** : 6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
- ★ **Calibration** : External (by standard reference weight)
- ★ **Tare Range** : 25% of Capacity
- ★ **Zero Adjustment** : Manual Zero
- ★ **Power Supply** : 230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
- ★ **Power Consumption** : Low Power Consumption Design
- ★ **Operating Temperature** : 0°C to +45°C
- ★ **Humidity** : Up to 85% RH, Non-Condensing



CAPACITY TABLE

Max Capacity	Accuracy (e)	Readability
10/20Kg	1/2g dual	3g
15Kg	0.5g (500mg)	1.5g
10Kg	0.5g (500mg)	1.5g
3Kg	0.1g (100mg)	1g
5Kg	0.1g (100mg)	1g

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Website : www.tajinstruments.in / www.tajinstruments.com

Location : Rajkot, Gujarat, India

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MSME UDYAM
Reg.No.:GJ-20-0071966

MFG.BY:TAJ INSTRUMENTS-INDIA

Item: ABS Chotu Mini Counter Scale





SPECIFICATIONS

- **Pan Size:** 175×225mm (7"x9")
- **Load Cell:** Single Point Off Center 88mm TT LC
- **Display:** 0.56" Indian Green Led Display (front/back both side)
- **Outer Body:** ABS Virgin Plastic Body
- **Battery:** 6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
- **Calibration:** External (by standard reference weight)
- **Tare Range:** 25% of Capacity
- **Zero Adjustment:** Manual Zero
- **Power Supply:** 230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
- **Power Consumption:** Low Power Consumption Design
- **Operating Temperature:** 0°C to +45°C
- **Humidity:** Up to 85% RH, Non-Condensing

DIMENSIONS



0.56" GREEN LED DISPLAY (FRONT & BACK BOTH SIDE)



- STRONG & DURABLE
- RECHARGEABLE BATTERY BACKUP
- POWER SAVING DESIGN
- EASY TO USE

CAPACITY TABLE

Max Capacity	Accuracy (e)	Readability
10/20Kg	1/2g dual	3g
15Kg	0.5g (500mg)	1.5g
10Kg	0.5g (500mg)	1.5g
2Kg	0.1g (100mg)	0.5g
5Kg	0.1g (100mg)	1g

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Website:
www.tajinstruments.in /
www.tajinstruments.com

Location:
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MSME
सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES

*MSME UDYAM Reg.No.:GJ-20-0071966

MFG.BY: TAJ INSTRUMENTS-INDIA

Model: Vibrant-Pro Regular Premium Table Top Scale

SPECIFICATIONS

Max Capacity	8/20/30Kg (Max Cap:30Kg)
e/Accuracy(+/-)	1/2/5g (triple accuracy) (upto 8kg 1g accuracy and after 8kg till 20kg in 2g and after 20kg till 30kg it will show in 5g)
Readability (Least Count)	3g (Smallest weight increments the scale can detect and display)
Pan Size	240×300mm (9.5"×12")
Load Cell	Single Point Off Center 130mm TT LC
Display	0.56" Indian Green Led Display (front/back both side)
Outer Body	Steel Body with MS Base Plate
Battery	6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
Calibration	External (by standard reference weight)
Tare Range	25% of Capacity
Zero Adjustment	Manual Zero
Power Supply	230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
Power Consumption	Low Power Consumption Design
Operating Temperature	0°C to +45°C
Humidity	Up to 85% RH, Non-Condensing



FRONT VIEW



BACK VIEW (LED DISPLAY)



SIDE VIEW



DIMENSIONS



HIGH ACCURACY | 0.56" BRIGHT GREEN LED | DURABLE & RELIABLE | DUAL POWER (AC & DC) | RECHARGEABLE BATTERY | STURDY DESIGN | EASY TO OPERATE

IDEAL FOR MULTIPLE INDUSTRIES

RETAIL STORES | GROCERY SHOPS | PHARMACIES | KITCHENS | INDUSTRIAL USE | WAREHOUSES

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*Website: www.tajinstruments.in / www.tajinstruments.com

Location: Rajkot, Gujarat

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*MSME UDYAM Reg.No.:GJ-20-0071966

MFG.BY:TAJ INSTRUMENTS-INDIA

Item:Mini Counter Scale





Load Cell:

Single Point Off Center
130mm TT LC

SPECIFICATIONS

• Model	:	SS MINI-6V(175x225mm)-20K
• Max Capacity	:	10/20Kg (Max Cap:20Kg)
• e/Accuracy(+/-)	:	1/2g (dual accuracy) (upto 10kg 1g accuracy and after 10kg till 20kg in 2g accuracy)
• Readability (Least Count)	:	3g (Smallest weight increments the scale can detect and display)
• Pan Size	:	175×225mm (7"x9")
• Load Cell	:	Single Point Off Center 130mm TT LC
• Display	:	0.56" Indian Green Led Display (front/back both side)

• Outer Body	:	Steel Body with MS Base Plate
• Battery	:	6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
• Calibration	:	External (by standard reference weight)
• Tare Range	:	25% of Capacity
• Zero Adjustment	:	Manual Zero
• Power Supply	:	230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
• Power Consumption	:	Low Power Consumption Design
• Operating Temperature	:	0°C to +45°C
• Humidity	:	Up to 85% RH, Non-Condensing

20 KG
Max Capacity 20Kg

High Precision 1/2g Accuracy (Dual Accuracy)

Battery Backup 20-24 hrs

220V AC Power Supply

888
0.56" INDIAN GREEN LED DISPLAY (FRONT/BACK BOTH SIDE)

STRONG & DURABLE BODY

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MFG. BY: TAJ INSTRUMENTS-INDIA

SS-REGULAR PREMIUM TABLE TOP SCALE





FRONT VIEW



BACK VIEW

LOAD CELL



Load Cell: Single Point Off Center 130mm TT LC



(For Main Motherboard Only)

TECHNICAL SPECIFICATIONS

Max Capacity:	8 / 20 / 30 Kg (Max Cap: 30Kg)
e/Accuracy (+/-):	1 / 2 / 5 g (Triple Accuracy) (Upto 8kg = 1g, 8kg–20kg = 2g, 20kg–30kg = 5g)
Readability (Least Count):	3g (Smallest weight increments the scale can detect and display)
Pan Size:	240 x 300 mm (9.5" x 12")
Load Cell:	Single Point Off Center 130mm TT LC
Display:	0.56" Indian Green LED Display (Front & Back Both Side)
Outer Body:	Steel Body with MS Base Plate
Battery:	6V – 4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup: 20–24 Hours)
Calibration:	External (By Standard Reference Weight)
Tare Range:	25% of Capacity
Zero Adjustment:	Manual Zero
Power Supply:	230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
Power Consumption:	Low Power Consumption Design
Operating Temperature:	0°C to +45°C
Humidity:	Up to 85% RH, Non-Condensing

- 30 KG — Max Capacity 30Kg
- 1 / 2 / 5g Triple Accuracy
- Battery Backup 20-24 hrs
- 230V AC Power Supply
- 0.56" INDIAN GREEN LED DISPLAY (FRONT/BACK BOTH SIDE)
- STRONG & DURABLE BODY

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*MSME UDYAM Reg.No.:GJ-20-0071966

MFG.BY:TAJ INSTRUMENTS-INDIA

*Item:Economy SS Price Computing Table Top Scale

SPECIFICATIONS

- **Capacity:**15/30Kg
- **Accuracy:**1/2g (dual)
- **Display:** 0.56" GREEN LED (3 window display)
  (This Scale Comes With Pole or Front Back Display)
  (First Display: shows actual WEIGHT,
  Second Display: Shows Price Per KG,
  Third Display: shows TOTAL Price)
- **Battery:**6V-4.5AH Lead Acid Rechargeable Battery
- **PLU Memory:**9
- **Outer Body:**Steel Body with MS Base Plate
- **Pan Size:**240x300mm (9.5"x12")
- **Load Cell:**Single Point Off Center 130mm TT LC

- **Battery:**6V-4.5Ah Sealed Lead Acid
  (Auto Rechargeable)
  (Battery Backup-20-24hrs)
- **Calibration:**External (by standard reference weight)
- **Tare Range:** 25% of Capacity
- **Zero Adjustment:** Manual Zero
- **Power Supply:**230V AC ±10%, 50Hz
- **Power Consumption:** Low Power Consumption Design
- **Operating Temperature:**0°C to +45°C
- **Humidity:** Up to 85% RH, Non-Condensing



*WhatsApp Product Inquiry: **8511201789 / 9328511234**

*Website: **www.tajinstruments.in / www.tajinstruments.com**

Location: **Rajkot,Gujarat**

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* MSME UDYAM Reg.No.: GJ-20-0071966 *

MFG. BY: TAJ INSTRUMENTS-INDIA

Deluxe Price Computing Table Top Scale



- **Model:** Deluxe Price Computing Table Top Scale
- **Capacity:** 15/30 Kg
- **Accuracy:** 1/2 g (Dual Accuracy)
- **Display:** 0.56" GREEN LED (3 Window Display)
  - First Display: Shows Actual Weight
  - Second Display: Shows Unit Price
  - Third Display: Shows Total Price
- **Battery:** 6V–4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup: 20–24 Hours)
- **PLU Memory:** 99
- **Pan Size:** 275 × 325 mm (11" × 13")
- **Outer Body:** Heavy ABS Virgin Plastic with MS Base Plate
- **Load Cell:** Single Point Off Center 130 mm TT LC
- **Calibration:** External (By Standard Reference Weight)
- **Tare Range:** 25% of Capacity
- **Zero Adjustment:** Manual Zero
- **Power Supply:** 230V AC ±10%, 50Hz
- **Power Consumption:** Low Power Consumption Design
- **Operating Temperature:** 0°C to +45°C
- **Humidity:** Up to 85% RH, Non-Condensing
- **Approx. Weight of Scale:** 6.800 Kg

WhatsApp Product Inquiry:
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Location: Rajkot, Gujarat

MFG. BY: TAJ INSTRUMENTS - INDIA

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BILL PRINTING POS SCALE

Q8 ECS

BILL PRINTING POS SCALE

Smart Billing | Cloud Connectivity | High Accuracy



- 58mm THERMAL PRINTER
- INBUILT WIFI
- YES CLOUD CONNECTED
- MOBILE APP SUPPORT

1 GENERAL DETAILS

- Make : TAJ INSTRUMENTS
- Model : **Q8 ECS**
- Type : Bill Printing POS Scale
- Application : Retail Billing / Supermarket / POS / Shop Use

2 CAPACITY & ACCURACY

- Capacity : 30 Kg
- Accuracy (e) : 5 g
- Division : 1/6000
- Zero Range : 100% of Capacity
- Tare Range : 100% of Capacity

3 DISPLAY & PRINTER

- Display Type : Dual Side Green LED
- Display Digits : 6 Digits (Weight) 6 Digits (Price)
- Printer : 58 mm Thermal Printer
- Print Speed : 80 mm / sec
- Paper Width : 58 mm

4 CONNECTIVITY & DATA

- Connectivity : Inbuilt WiFi
- Data System : YES Cloud Supported
- Mobile App : Android App Support
- Data Sync : Auto Sync to Cloud

5 KEYBOARD & FUNCTIONS

- Keyboard Type : Full Keypad POS Input
- Keys : 72 Function Keys
- Functions : Billing, PLU, Tare, M+, M-, Total, Save, Print, etc.

6 TECHNICAL SPECIFICATIONS

Pan Size	320 x 220 mm
Power Supply	230V AC ±10%, 50Hz
Battery	Inbuilt Rechargeable Battery (6V / 4Ah)
Power Consumption	Less than 10W
Operating Temp.	0°C to 40°C
Body Material	ABS Plastic Body
Load Cell	High Precision Strain Gauge Load Cell
Overload Capacity	150% of Capacity
Weight	Approx. 6.5 Kg
Usage	Retail Billing / Supermarket / POS System

7 POWER & ENVIRONMENT

- AC Supply : 187V – 242V, 50Hz
- Battery : 6V / 4Ah Rechargeable (Backup up to 40 Hours)
- Operating Temp. : 0°C to 40°C
- Storage Temp. : -10°C to 50°C

8 KEY FEATURES

- ✓ Inbuilt 58mm Thermal Printer
- ✓ WiFi & Cloud Connectivity
- ✓ Mobile App for Data & Reports
- ✓ Fast & Accurate Billing
- ✓ Dual Side Customer Display
- ✓ Easy to Use & Maintain
- ✓ Ideal for Retail & Supermarket

9 APPLICATIONS

- Retail Stores
- Kirana Shops
- Supermarkets
- Vegetable & Fruit Shops
- Billing Counters / POS

10 IN THE BOX

- Bill Printing Scale
- Power Cable
- User Manual
- Warranty Card
- Thermal Paper Roll

11 WARRANTY

1 YEAR WARRANTY

(For Main Motherboard Only)
(As per TAJ INSTRUMENTS standard policy)

For Product Inquiry
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Location :
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MFG. BY: TAJ INSTRUMENTS - INDIA

Q9LBL BARCODE LABEL PRINTING SCALE

Advanced Barcode Label Printing Scale with Inbuilt Printer, WiFi Connectivity and User Friendly Keyboard for Fast & Accurate Billing.

- 58mm THERMAL PRINTER
- INBUILT WIFI & CLOUD
- MOBILE APP SUPPORT
- FULL KEYPAD EASY TO USE
- FAST & ACCURATE PRINTING
- YES CLOUD SUPPORTED



1 GENERAL DETAILS

- Make : TAJ INSTRUMENTS
- Model : Q9LBL
- Type : Barcode Label Printing Scale
- Application : Retail Billing / Supermarket / POS / Shop Use

2 CAPACITY & ACCURACY

- Capacity : 30 Kg
- Accuracy (e) : 5 g
- Division : 1/6000
- Zero Range : 100% of Capacity
- Tare Range : 100% of Capacity

3 DISPLAY & PRINTER

- Display Type : Negative Green LCD
- Display Digits : 6 Digits (Weight) 6 Digits (Price)
- Printer : 58 mm Thermal Printer
- Print Speed : 90 mm / sec
- Paper Width : 58 mm

4 CONNECTIVITY & DATA

- Connectivity : Inbuilt WiFi
- Data System : YES Cloud Supported
- Mobile App : Android App Support
- Data Sync : Auto Sync to Cloud

5 KEYBOARD & FUNCTIONS

- Keyboard Type : Full Keypad POS Input
- Number of Hot Keys : 63 x 2
- Number of PLU : 20,000
- Functions : Billing, PLU, Tare, M+, M-, Total, Save, Print, etc.

6 POWER & ENVIRONMENT

- Power Source : AC 240/230/220V, 117/100V (+10%, -15%)
- Operating Temp. : -10°C to +40°C

REFERENCE LABELS (PRINT SAMPLES)


VIRALI MANJAL *A

Price $/kg	NetWT kg	Total $
290.00	0.49	142.10

MF000ni000490

Sale Date 2024.04.30 Sale Time 17:12:02

RETAIL LABEL


THE NUT LOUNGE
Almond California Super Jumbo

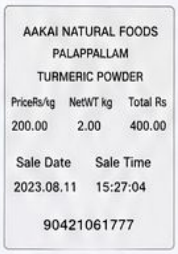
Unit rate	NetWT : Kg	MRP
937.00	0.125	117.13

Packing Date 22/03/17

89006019773145

Thank You for buying from Us.

BARCODE LABEL


AAKAI NATURAL FOODS
PALAPPALLAM
TURMERIC POWDER

PriceRs/kg	NetWT kg	Total Rs
200.00	2.00	400.00

Sale Date 2023.08.11 Sale Time 15:27:04

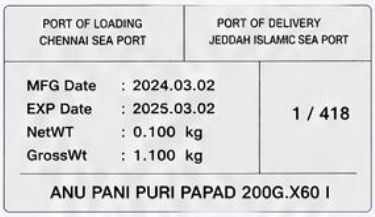
90421061777

SPICE LABEL


BBL-PONDY QC OK

SL NO	: 58146
PART NAME	: SS-BALANCE-RING
PART WEIGH	: 1.404 KG
DATE	: 15-09-2023
TIME	: 18:53:49

INDUSTRIAL LABEL


PORT OF LOADING: CHENNAI SEA PORT
PORT OF DELIVERY: JEDDAH ISLAMIC SEA PORT

MFG Date : 2024.03.02
EXP Date : 2025.03.02
NetWT : 0.100 kg
GrossWt : 1.100 kg

1 / 418

ANU PANI PURI PAPAD 200G.X60 I

EXPORT / BULK PACKING LABEL

1 YEAR WARRANTY
(For Main Motherboard Only)

7 SPECIFICATIONS

Type	Weighing Cum Label / Barcode Printing Scale
Capacity	30 Kg
Accuracy (e)	5 g
Pan Size	350 x 260 mm
Printing Speed	90 mm / Sec
Paper Width	58 mm
Display	Negative Green LCD
Number of Hot Keys	63 x 2
Number of PLU	20,000
Power Source	AC 240/230/220V, 117/100V (+10%, -15%)
Operating Temperature	-10°C to +40°C
Interface	RJ11 (Connect Cash Box), RJ45 Connect Network, RS232 (Connect Barcode Scanner), USB (back up & Restore)

8 KEY FEATURES

- Barcode & Label Printing
- Price / Weight / Date / Batch Printing
- Inbuilt WiFi & Cloud Connectivity
- Mobile App for Data & Reports
- Dual Side Customer Display
- Fast & Accurate Billing
- Ideal for Retail & Supermarket

9 APPLICATIONS

- Supermarkets
- Grocery Stores
- Food Packaging Units
- Export Packing
- Kirana Shops
- Industrial Labeling

10 IN THE BOX

- Barcode Label Printing Scale
- Power Cable
- User Manual
- Warranty Card
- Thermal Paper Roll

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TOUCH SCALE SS

SMART WEIGHING.
SEAMLESS PERFORMANCE.

TOUCH SCALE SS is a high performance digital weighing scale with advanced touch technology, durable stainless steel construction and powerful features for industrial and commercial applications.





FEATURES

- **DISPLAY** 10" Touch Display
- **PAN SIZE** 300x340mm
- **CAPACITY** 50kg / 5g
- **PRINTER** 58mm PRINTER
- **MEMORY** 4GB, 64GB
- **BATTERY** 12V
- **OPERATING SYSTEM** Android 15
- **MOBILE APPLICATION**



TECHNICAL SPECIFICATIONS

Model	TOUCH SCALE SS
Capacity	50kg
Accuracy	5g
Pan Size	300 x 340 mm
Display	10" Touch Display
Printer	58mm Thermal Printer
Memory	4GB RAM, 64GB Storage
Operating System	Android 15
Battery	12V Rechargeable Battery
Construction	Stainless Steel
Applications	Retail, Industrial, Warehouse, Logistics, Food, Agriculture

- HIGH PERFORMANCE PROCESSOR
- USER FRIENDLY TOUCH INTERFACE
- FAST & RELIABLE 58MM PRINTER
- LONG LASTING 12V BATTERY
- PREMIUM STAINLESS STEEL DESIGN
- DURABLE, ACCURATE & RELIABLE

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MFG.BY: TAJ INSTRUMENTS - INDIA

MODEL: ALPHA BENCH SCALE






Door to Door Parcel Pickup


Ideal for Courier & Delivery Services


Handy & Portable Fits in One Bag


Light Weight & Compact


Accurate & Reliable Weighing

SPECIFICATIONS

Pan Size: 350 x 400mm (14"x16")	
0.00	Display Front/Back Side: 0.8" Indian Green Led Display (front/back both side)
Bottom Outer Body: Virgin ABS Plastic Body with SS Pan	
Upper SS TOP with MS PIPE FRAME	
Battery: 6V-4.5Amh Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)	
Calibration: External (by standard reference weight)	
TARE	Tare Range: 25% of Capacity
ZERO	Zero Adjustment: Manual Zero
Power Supply: 230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup	
Power Consumption: Low Power Consumption Design	
Operating Temperature: 0°C to +45°C	
Humidity: Up to 85% RH, Non-Condensing	
Best For: Courier Shipping Company, Grocery, Food & Vegetable Business	
KG	Approx. Weight Of Scale: 6.300Kg

CAPACITY TABLE

Max Capacity	Accuracy (e)
50 Kg	5g
100 Kg	10 g

IDEAL FOR


COURIER COMPANIES


GROCERY BUSINESS


FOOD & VEGETABLE BUSINESS


WAREHOUSE & PACKAGING

BUILT FOR ACCURACY. DESIGNED FOR PERFORMANCE.
Compact, Durable & Precise – Your Perfect Weighing Partner.

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MFG. BY: TAJ INSTRUMENTS-INDIA

ITEM: BENCH SCALE







Specification:

- **Make:** TAJ INSTRUMENTS
- **Model:** BENCH SCALE-4V
- **Display:** 0.56" Indian Green LED Display (Front/Back Both Side)
- **Outer Body:** Square MS Fabricated with SS Top Plate
- **Battery:** Lithium 3.7V (Auto Rechargeable) (Battery Backup: 20-24Hrs)
- **Calibration:** External (By Standard Reference Weight)
- **Tare Range:** 25% of Capacity
- **Zero Adjustment:** Manual Zero
- **Power Supply:** 230V AC ±10%, 50Hz
- **Operating Temperature:** 0°C to +45°C
- **Humidity:** Up to 85% RH, Non-Condensing

Platter Size	Max Capacity	Accuracy/e (+/-) (-/-)	Readability (Least Count)
250x250mm	50Kg	5g	20g
250x250mm	100Kg	10g	40g
300x300mm	50Kg	5g	20g
300x300mm	100Kg	10g	40g
350x350mm	50Kg	5g	20g
350x350mm	100Kg	10g	40g
400x400mm	50Kg	5g	20g
400x400mm	100Kg	10g	50g
400x400mm	150Kg	20g	80g

WhatsApp Product Inquiry: 8511201789 / 9328511234

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Address: Gujari Bazar Main Road, Nr. Kansara Bazar,
RAJKOT-360001 (GJ)

MFG. BY: TAJ INSTRUMENTS-INDIA

TI-ECO-Platform Scale with STEEL TOP PLATE



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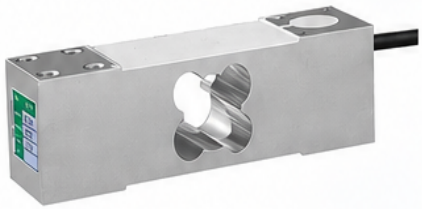
LOAD CELL DETAILS



- **Load Cell:** Allumnium 25x25 Single Point Off Center PF LC

CAPACITY TABLE

Platform Size	Max Capacity.	Accuracy (e)
400x400mm.	50Kg.	5g
400x400mm.	100Kg.	10g
400x400mm.	70/150Kg.	10/20g (dual)
500x500mm	100/200Kg	10/20g (dual)
600x600mm	100/200Kg	10/20g (dual)
600x600mm	100/300Kg.	10/50g (dual)
600x600mm	300Kg.	50g (dual)

SPECIFICATIONS

* Make:	TAJ INSTRUMENTS (with WeighTaj High Precision Motherboard)
* Structure :	400x400mm-25mm Pipe, 500x500mm & 600x600mm-32mm-1.25"inch MS Pipe with STEEL TOP PLATE
* Load Cell:	Allumnium 25x25 Single Point Off Center PF LC
* Weighing Indicator:	SS Body with MS Base Plate
* Front Display:	0.56" Indian Green Led Display
* Indicator Outer Body:	Steel Body with MS Base Plate
* Battery:	6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
* Calibration:	External (by standard reference weight)
* Tare Range:	25% of Capacity
* Zero Adjustment:	Manual Zero
* Power Supply:	230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
* Power Consumption:	Low Power Consumption Design
* Operating Temperature:	0°C to +45°C
* Humidity:	Up to 85% RH, Non-Condensing

*Call For Product Inquiry: **8511201789**

*Call For Customized Solutions: **9328511234**

*Website: www.tajinstruments.in / www.tajinstruments.com

Location: Rajkot, Gujarat

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*MSME UDYAM Reg.No.:GJ-20-0071966

MFG.BY:TAJ INSTRUMENTS-INDIA

Item: ECO-Platform Scale-400x400mm

SPECIFICATIONS	
Make:	TAJ INSTRUMENTS
Model:	TI-ECO-Platform Scale(400x400mm)(16"x16") (with WeighTaj High Precision Motherboard)
Platform Size:	400x400mm(16"x16") (STEEL PLATE)
Structure :	25mm-1"inch MS Pipe with SS Top (Approx Weight:12Kg)
Load Cell:	3 HOLE Allumnium Single Point Off Center PF LC
Weighing Indicator:	SS Body with MS Base Plate
Front Display:	0.56" Indian Green Led Display
Indicator Outer Body:	Steel Body with MS Base Plate
Battery:	6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
Calibration:	External (by standard reference weight)
Tare Range:	25% of Capacity
Zero Adjustment:	Manual Zero
Power Supply:	230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
Power Consumption:	Low Power Consumption Design
Operating Temperature:	0°C to +45°C
Humidity:	Up to 85% RH, Non-Condensing

Max Capacity	Accuracy (e)	Readability
50 Kg	5 g	50g
100 Kg	10 g	50g
70/150 Kg	10/20 g (dual)	100g



LOAD CELL



Load Cell: 3 HOLE Allumnium Single Point Off Center PF LC

WhatsApp Product Inquiry: 8511201789 / 9328511234

Website: www.tajinstruments.in / www.tajinstruments.com

Location: Rajkot, Gujarat

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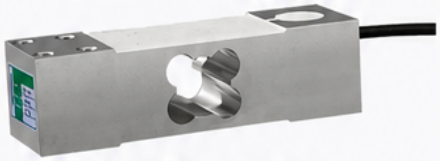
MFG.BY: TAJ INSTRUMENTS-INDIA

TI-ECO-PLATFORM SCALE



- **Make:** TAJ INSTRUMENTS
- **Model:** TI-ECO Platform Scale (500x500mm) (20"x20") (With WeighTaj High Precision Motherboard)
- **Platform Size:** 500x500mm (20"x20") (STEEL PLATE)
- **Structure:** 32mm-1.25" inch MS Pipe with SS Top
- **Load Cell:** Allumnium 25x25 Single Point Off Center PF LC
- **Weighing Indicator:** SS Body with MS Base Plate
- **Front Display:** 0.56" Indian Green Led Display
- **Indicator Outer Body:** Steel Body with MS Base Plate
- **Battery:** 6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
- **Calibration:** External (by standard reference weight)
- **Tare Range:** 25% of Capacity
- **Zero Adjustment:** Manual Zero
- **Power Supply:** 230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
- **Power Consumption:** Low Power Consumption Design
- **Operating Temperature:** 0°C to +45°C
- **Humidity:** Up to 85% RH, Non-Condensing

LOAD CELL DETAILS



Single Point Off Center PF Type
(Aluminium 25x25)

1 YEAR WARRANTY
For Main Motherboard Only

CAPACITY TABLE

Max Capacity	Accuracy (e)	Readability
100 Kg	10 g	50 g
200 Kg	20 g	80 g
100/200 Kg	10/20 g (dual)	100 g

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Location: Rajkot, Gujarat

MFG.BY: TAJ INSTRUMENTS-INDIA

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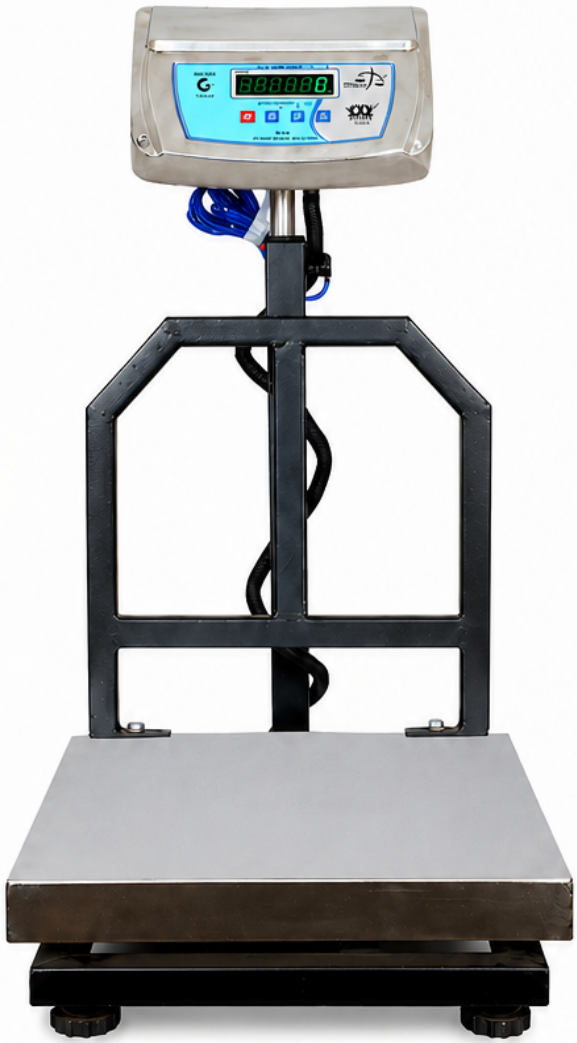
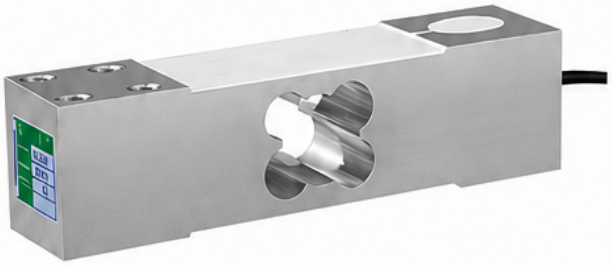
TI-ECO-Platform Scale (600x600mm)





Load Cell:
Aluminium 25x25 Single Point
Off Center PF LC

Make:	TAJ INSTRUMENTS
Model:	TI-ECO-Platform Scale (600x600mm) (24"x24")
Motherboard:	WeighTaj High Precision
Platform Size:	600x600mm (24"x24") (Steel Plate)
Structure:	32mm (1.25") MS Pipe with SS Top
Load Cell:	Aluminium Single Point Off Center PF LC
Weighing Indicator:	SS Body with MS Base Plate
Display:	0.56" Indian Green LED
Battery:	6V-4.5Ah SLA (20-24 hrs Backup)
Calibration:	External (Standard Weight)
Tare Range:	25% of Capacity
Zero Adjustment:	Manual Zero
Power Supply:	230V AC ±10%, 50Hz
Power Consumption:	Low Power Consumption Design
Operating Temperature:	0°C to +45°C
Humidity:	Up to 85% RH (Non-Condensing)

CAPACITY TABLE

Max Capacity	Accuracy (e)	Readability
100 Kg	10 g	80 g
200 Kg	20 g	100 g
100/300 Kg	10/50 g (dual)	150 g

1 YEAR WARRANTY

1 Year Warranty
(For Main Motherboard Only)

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Location: Rajkot, Gujarat

MFG.BY: TAJ INSTRUMENTS-INDIA

TI-ECO-Platform Scale with MS CHEKAR TOP PLATE with Heavy MS 25x35LC





Load Cell:

HEAVY MILD STEEL 25x35
Single Point Off Center PF LC

TECHNICAL SPECIFICATIONS

- **Make:** TAJ INSTRUMENTS
  (with WeighTaj High Precision Motherboard)
- **Load Cell:** HEAVY MILD STEEL 25x35
  Single Point Off Center PF LC
- **Weighing Indicator:** SS Body with MS Base Plate
- **Front Display:** 0.56" Indian Green LED Display
- **Indicator Outer Body:** Steel Body with MS Base Plate
- **Battery:** 6V-4.5Ah Sealed Lead Acid (Auto Rechargeable)
  (Battery Backup: 20–24 Hours)
- **Calibration:** External (by standard reference weight)
- **Tare Range:** 25% of Capacity
- **Zero Adjustment:** Manual Zero
- **Power Supply:** 230V AC ±10%, 50Hz
  Built-in Rechargeable Battery Backup
- **Power Consumption:** Low Power Consumption Design
- **Operating Temperature:** 0°C to +45°C
- **Humidity:** Up to 85% RH, Non-Condensing

CAPACITY & PLATFORM DETAILS

Platform Size	Frame Pipe	Max Capacity	Accuracy (e)
600x600 mm	32 mm	100/200 Kg	10/20 g (Dual)
600x600 mm	32 mm	100/300 Kg	10/50 g (Dual)
600x600 mm	32 mm	300 Kg	50 g
750x750 mm	38 mm	500 Kg	50 g
900x900 mm	50 mm	1000 Kg	100 g

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Location:
Rajkot, Gujarat

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CERTIFIED ISO 9001:2015 COMPLANT

RoHS COMPLIANT

Model:TIT3-A12 High Precision Industrial Grade Digital Weighing Indicator

MFG.BY: TAJ INSTRUMENTS-INDIA

Industrial Grade Static Weighing Controller



GENERAL DESCRIPTION

The **TIT3-A12** is a high precision industrial weighing indicator widely used in:

- Industrial Platform Scales
- Floor Weighing Scales
- Tank Weighing Systems
- Bench Scales
- Animal / Livestock Scales
- Mechanical to Electronic Conversion Scales

It adopts high-speed Σ-Δ (Sigma Delta) A/D Conversion Technology with anti-vibration filtering for fast and stable weighing performance.

MAIN TECHNICAL SPECIFICATIONS

Parameter	Specifications
Model	TIT3-A12
Accuracy Class	OIML Class III
Verified Division	n = 3000
Internal Resolution	Up to 300,000
External Resolution	Up to 30,000
A/D Conversion Method	Σ-Δ (Sigma Delta)
A/D Conversion Speed	10 times / second
A/D Conversion Bits	20 Bit
Input Signal Range	-10mV ~ 15mV
Input Sensitivity	≥1μV/e
Load Cell Sensitivity	1.5 ~ 3mV/V
Excitation Voltage	DC 5V
Maximum Load Cell Connection	4 Load Cells @ 350Ω
Load Cell Connection	4 Wire System
Display Type	6 Digit LED / LCD
Status Indications	6 Status Symbols
Scale Interval	1 / 2 / 5 / 10 / 20 / 50
Keyboard	Membrane Type
Power Supply	AC 220V + Rechargeable Battery
Battery	DC 6V / 4Ah
Operating Temperature	0°C ~ 40°C
Humidity	≤90% RH
Cabinet Material	ABS Industrial Housing
Calibration	Digital Calibration
Communication (Optional)	RS232 Serial Interface
Transmission Distance	RS232 ≤30 Meter
Optional Scoreboard Interface	Current Loop Signal
Anti Vibration Filter	Available
Auto Zero Tracking	Available
Counting Function	Available
Tare Function	Available
Accumulation Function	Available
Low Battery Indication	Available

STANDARD FEATURES

HIGH PRECISION WEIGHING
Provides stable and accurate readings using high precision Sigma-Delta A/D technology.

ANTI-VIBRATION TECHNOLOGY
Special filtering software improves stability in industrial environments with vibration.

RECHARGEABLE BATTERY BACKUP
Works during power failure using internal rechargeable battery.

EASY CALIBRATION
Simple digital calibration and parameter setup.

MULTIPLE INDUSTRIAL APPLICATIONS
Suitable for static weighing systems using 1 to 4 load cells.

OPTIONAL RS232 CONNECTIVITY
Can connect with:

- Computer
- Printer
- Label Printer
- Software
- ERP Systems

TYPICAL APPLICATIONS

- Industrial Platform Scale
- Heavy Duty Floor Scale
- Tank & Hopper Weighing
- Animal Weighing Scale
- Piece Counting Scale
- Warehouse Weighing
- Mechanical Scale Conversion
- Small Industrial Automation Systems

OPTIONAL FUNCTIONS

Optional Function	Availability
RS232 Communication	Optional
Scoreboard Display	Optional
Animal Averaging Function	Optional
KG / LB Conversion	Optional
External Printer Connectivity	Optional

TYPICAL LOAD CELL CONNECTION

Load Cell Quantity	Supported
1 Load Cell	Yes
2 Load Cell	Yes
4 Load Cell Platform	Yes

DISPLAY INFORMATION

Display Type	Details
LED Version	Bright Red LED
LCD Version	Low Power LCD
Digits	6 Digit Display
Status Indicators	Stable / Zero / Tare / Battery

COMMUNICATION DETAILS

OPTIONAL RS232 SERIAL COMMUNICATION

Used for:

- Computer connectivity
- Weight transfer software
- Label printing
- ERP integration
- Data logging

Typical baud rates:

- 1200
- 2400
- 4800
- 9600

POWER DETAILS

Parameter	Value
AC Supply	220V AC
Battery	6V Rechargeable
Battery Backup	Available
Charging	Automatic

INDUSTRIAL ADVANTAGES

- ✔ Fast Stable Weighing
- ✔ High Precision Accuracy
- ✔ Easy Load Cell Compatibility
- ✔ Suitable for Industrial Use
- ✔ Easy Service & Maintenance
- ✔ Compact Design
- ✔ Reliable Performance
- ✔ Long Battery Backup
- ✔ RS232 Integration Support

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*Location:
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TI-T3-A12

HIGH PRECISION INDUSTRIAL PLATFORM SCALE

A12 DIGITAL WEIGHING INDICATOR BASED SYSTEM



A12
DIGITAL WEIGHING INDICATOR

- Bright LED Display
- 6 Digit Display
- 6–7 Status Indicators
- Soft Touch Keypad
- AC / DC Operation
- ABS Anti-Flame Housing

HIGH ACCURACY CLASS III

STRONG & DURABLE

RECHARGEABLE BATTERY

EASY TO USE & RELIABLE



1 GENERAL DETAILS

- Make : TAJ INSTRUMENTS
- Model : TI-T3-A12
- Type : Digital Weighing Indicator
- Application : Platform Scale / Floor Scale / Industrial Systems
- Usage : Industrial, Warehouse, Transport, Market, Logistics

2 ACCURACY & PERFORMANCE

- Accuracy Class : Class III (n = 3000)
- Internal Resolution : Up to 300,000
- External Counts : Up to 30,000
- A/D Conversion : Sigma–Delta (Σ–Δ)
- Sampling Speed : 10 times/sec
- Input Sensitivity : ≥1 μV/e

3 LOAD CELL COMPATIBILITY

- Load Cell Connection : 1 to 4 Load Cells (350Ω)
- Excitation Voltage : DC 5V / 150mA
- Input Signal Range : -10mV to 15mV
- Load Cell Type : 4-wire / 6-wire compatible

4 DISPLAY & INTERFACE

- Display Type : A12 – LED Display
- Display Digits : 6 digits
- Status Indicators : 6–7 indication signals
- Backlight Mode : Auto / ON / OFF

5 FUNCTIONS

- Weighing
- Counting Function
- Accumulation (M+)
- Zero / Tare Function
- Auto Zero Tracking
- Digital Filtering (Anti-Vibration)
- Unit Weight Memory Protection
- Power Saving Mode
- Calibration Protection (Seal System)

6 COMMUNICATION & OUTPUT

- Interface : RS232C (Optional)
- Baud Rate : 1200 / 2400 / 4800 / 9600
- Transmission Distance :
  - RS232 : Up to 30m
  - Scoreboard : Up to 50m (optional)
- Output Mode : Continuous / Command

7 POWER SUPPLY

- AC Supply : 187V – 242V, 50Hz
- Battery : 6V / 4Ah Rechargeable
- Features :
  - Low Battery Alarm
  - Auto Power Off
  - Energy Saving Mode

PLATFORM SIZE & WEIGHING CAPACITY TABLE

Platform Size	Frame Pipe	Max Capacity	Accuracy (e)	Readability
400x400mm	32mm MS	50Kg	5g	20g
400x400mm	32mm MS	100Kg	10g	40g
500x500mm	32mm MS	100Kg	10g	50g
500x500mm	32mm MS	200Kg	20g	100g
600x600mm	32mm MS	100Kg	10g	50g
600x600mm	32mm MS	200Kg	20g	100g
600x600mm	32mm MS	300Kg	50g	150g

8 MECFONICAL DETAILS

- Housing : ABS Anti-Flame Plastic Body
- Dimensions : Approx. 248 × 140 × 156 mm
- Weight : Approx. 2.2 Kg
- Keyboard : Soft Touch Keypad

9 ENVIRONMENTAL CONDITIONS

- Operating Temp. : 0°C to 40°C
- Humidity : ≤85–90% RH (Non-condensing)
- Storage Temp. : -20°C to +55°C

10 OPTIONAL FEATURES

- KG / LB Unit Conversion
- Animal Weighing Function
- External Display / Scoreboard
- Printer / PC Connectivity
- Set Point / Relay Output

11 SPECIAL FEATURES

- High Stability with Digital Filtering
- Anti-Vibration Software
- Dual Power Operation (AC + Battery)
- Calibration Seal Protection (Legal Metrology Friendly)

12

1 Year Warranty
(For Main Motherboard Only)
(As per TAJ INSTRUMENTS standard policy)

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TI-T3-A12

HIGH PRECISION INDUSTRIAL PLATFORM SCALE

A12 DIGITAL WEIGHING INDICATOR BASED SYSTEM



HIGH ACCURACY CLASS III

STRONG & DURABLE

RECHARGEABLE BATTERY

EASY TO USE & RELIABLE



1 GENERAL DETAILS

- Make : TAJ INSTRUMENTS
- Model : TI-T3-A12
- Type : Digital Weighing Indicator
- Application : Platform Scale / Floor Scale / Industrial Systems
- Usage : Industrial, Warehouse, Transport, Market, Logistics

2 ACCURACY & PERFORMANCE

- Accuracy Class : Class III (n = 3000)
- Internal Resolution : Up to 300,000
- External Counts : Up to 30,000
- A/D Conversion : Sigma–Delta (Σ–Δ)
- Sampling Speed : 10 times/sec
- Input Sensitivity : ≥1 µV/e

3 LOAD CELL COMPATIBILITY

- Load Cell Connection : 1 to 4 Load Cells (350Ω)
- Excitation Voltage : DC 5V / 150mA
- Input Signal Range : -10mV to 15mV
- Load Cell Type : 4-wire / 6-wire compatible

4 DISPLAY & INTERFACE

- Display Type : A12 – LCD Display
  A12E – Bright LED Display
- Display Digits : 6 digits
- Status Indicators : 6–7 indication signals
- Backlight Mode : Auto / ON / OFF

5 FUNCTIONS

- Weighing
- Counting Function
- Accumulation (M+)
- Zero / Tare Function
- Auto Zero Tracking
- Digital Filtering (Anti-Vibration)
- Unit Weight Memory Protection
- Power Saving Mode
- Calibration Protection (Seal System)

6 COMMUNICATION & OUTPUT

- Interface : RS232C (Optional)
- Baud Rate : 1200 / 2400 / 4800 / 9600
- Transmission Distance :
  - RS232 : Up to 30m
  - Scoreboard : Up to 50m (optional)
- Output Mode : Continuous / Command

7 POWER SUPPLY

- AC Supply : 187V – 242V, 50Hz
- Battery : 6V / 4Ah Rechargeable
- Features :
  - Low Battery Alarm
  - Auto Power Off
  - Energy Saving Mode

9 MECHANICAL DETAILS

- Housing : ABS Anti-Flame Plastic Body
- Dimensions : Approx. 248 × 140 × 156 mm
- Weight : Approx. 2.2 Kg
- Keyboard : Soft Touch Keypad

10 OPTIONAL FEATURES

- KG / LB Unit Conversion
- Animal Weighing Function
- External Display / Scoreboard
- Printer / PC Connectivity
- Set Point / Relay Output

11 SPECIAL FEATURES

- High Stability with Digital Filtering
- Anti-Vibration Software
- Dual Power Operation (AC + Battery)
- Calibration Seal Protection (Legal Metrology Friendly)

12 WARRANTY

1 YEAR WARRANTY

1 Year Warranty
(For Main Motherboard Only)
(As per TAJ INSTRUMENTS standard policy)

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Rajkot, Gujarat, India

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ITEM:Ti10J High Precision Industrial Platform Scale

High Accuracy | Industrial Grade | Reliable Performance



DIGITAL READOUT WITH LARGE SEGMENTS

- Bright 7-segment RED / GREEN LED display
- Digit height: minimum 13 mm
- Clear indication for Zero, Tare & Mode
- Displays weight in Kilograms (Kg)
- Auto calibration system
- Auto span & drift correction

FULLY AUTOMATED PCB ASSEMBLY

- Manufactured using fully automated SMT lines
- Ensures high reliability
- Stable performance
- Production error rate: < 0.01%

BUILT FOR INDUSTRY, MADE TO LAST.

- Strong & durable construction
- High reliability in harsh environments
- Consistent performance, day after day

ADDITIONAL FEATURES

- 1 / 15,000 – 1 / 60,000 display resolution
- Bright LED (0.8") display with option of remote display
- Water resistant keypad / Option for Splash Proof body
- Built-in 6V rechargeable battery with 40hr backup
- AC / DC operation with protection
- Overload alarm protection
- Counting mode, Percentage weighing
- Push Button Tare, Weight verification
- Available in single loadcell and 4 loadcell designs

IDEAL FOR

Warehouses | Factories | Logistics | Agriculture | Retail | Industries

PLATFORM SIZE & WEIGHING CAPACITY TABLE

Platform Size	Frame Pipe	Max Capacity	Accuracy (e)	Readability
400x400mm	32mm MS	50Kg	5g	20g
400x400mm	32mm MS	100Kg	10g	40g
500x500mm	32mm MS	100Kg	10g	50g
500x500mm	32mm MS	200Kg	20g	100g
600x600mm	32mm MS	100Kg	10g	50g
600x600mm	32mm MS	200Kg	20g	100g
600x600mm	32mm MS	300Kg	50g	150g

Note: Specifications are subject to change without prior notice.

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Location:
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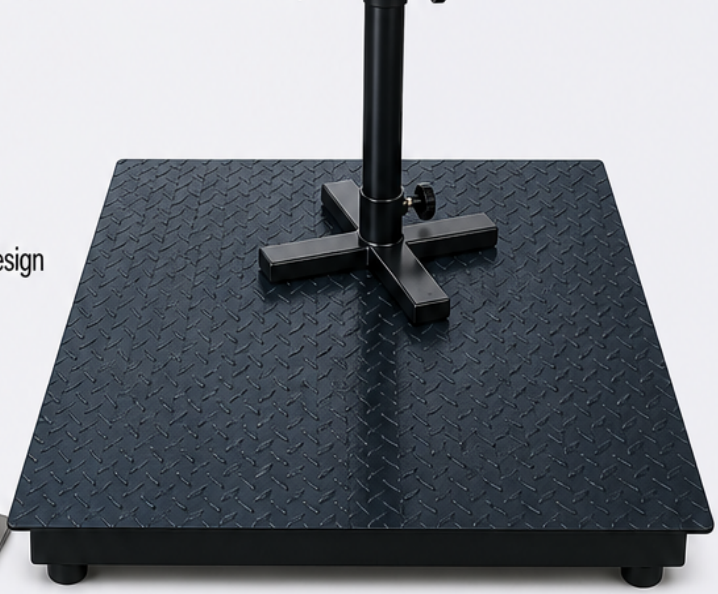
ITEM: ECONOMY – 4 LOAD CELL DORMANT PLATFORM SCALE

- ★ **Load Cell:** Imported Single Ended Shear Beam Load Cell
- ★ **Weighing Indicator:** SS Body with MS Base Plate
- ★ **Front Display:** 0.56" Indian Green LED Display
- ★ **Indicator Outer Body:** Steel Body with MS Base Plate
- ★ **Battery:** 6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup: 20–24 Hours)
- ★ **Calibration:** External (by Standard Reference Weight)
- ★ **Tare Range:** 25% of Capacity
- ★ **Zero Adjustment:** Manual Zero
- ★ **Power Supply:** 230V AC ±10%, 50Hz with Built-in Rechargeable Battery Backup
- ★ **Power Consumption:** Low Power Consumption Design
- ★ **Operating Temperature:** 0°C to +45°C
- ★ **Humidity:** Up to 85% RH, Non-Condensing









4 LOAD CELL STRUCTURE DETAILS WITH CAPACITY

Capacity	Accuracy (+/-)	Platform Size(mm)	MS "C" Channel	MS TOP PLATE	Approx. Weight
500 Kg	100g	750x750	2"x4"	2.8mm	45Kg
1000 Kg	100g	900x900	2"x4"	2.8mm	55Kg
1000 Kg	100g	1000x1000	2"x4"	2.8mm	65Kg
2000 Kg	200g	1200x1200	2"x4"	2.8mm	98Kg
2000 Kg	200g	1200x1200	2"x4"	5mm	123Kg
3000 Kg	500g	1500x1500	2"x4"	2.8mm	140Kg
3000 Kg	500g	1500x1500	2.5"x5"	2.8mm	160Kg
5000 Kg	500g	1500x1500	2.5"x5"	5mm	215Kg

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Location: Rajkot, Gujarat

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GJ-20-0071966

MFG.BY: TAJ INSTRUMENTS-INDIA

Model: A12 Industrial Grade Heavy Dormant 4 Load Cell Platform Scale, Class III Accuracy, AC/DC with Rechargeable Battery, RS232 Optional – Best Industrial Platform & Floor Scales



1. GENERAL DETAILS
- **Make:** TAJ INSTRUMENTS
- **Model:** TI-T3-A12E
- **Type:** Digital Weighing Indicator
- **Application:** Platform Scale / Floor Scale / Industrial Systems
- **Usage:** Industrial, Warehouse, Transport, Market, Logistics

2. ACCURACY & PERFORMANCE
- **Accuracy Class:** Class III (n = 3000)
- **Internal Resolution:** Up to 300,000
- **External Counts:** Up to 30,000
- **A/D Conversion:** Sigma-Delta (Σ-Δ)
- **Sampling Speed:** 10 times/sec
- **Input Sensitivity:** ≥1μV/e

3. LOAD CELL COMPATIBILITY
- 1 to 4 Load Cells (350Ω)
- **Excitation:** DC 5V / 150mA
- **Input Signal Range:** -10mV to 15mV
- **Load Cell Type:** 4-wire / 6-wire compatible



4. DISPLAY & INTERFACE
- **A12:** LCD Display
- **A12E:** Bright LED Display
- **Display Digits:** 6 digits
- **Status Indicators:** 6–7 indication signals
- **Backlight Mode:** Auto / ON / OFF

5. FUNCTIONS
- Weighing
- Counting Function
- Accumulation (M+)
- Zero / Tare Function
- Auto Zero Tracking
- Digital Filtering (Anti-Vibration)
- Unit Weight Memory Protection
- Power Saving Mode
- Calibration Protection (Seal System)

6. COMMUNICATION & OUTPUT
- **Interface:** RS232C (Optional)
- **Baud Rate:** 1200 / 2400 / 4800 / 9600
- **Transmission Distance:**
  - RS232: Up to 30m
  - Scoreboard: Up to 50m (optional)
- **Output Mode:** Continuous / Command



Imported Single Ended Shear Beam Load Cell,Each Corner 1 LC, Total 4 LC

7. POWER SUPPLY
- **AC Supply:** 187V – 242V, 50Hz
- **Battery:** 6V / 4Ah Rechargeable
- **Features:**
  - Low Battery Alarm
  - Auto Power Off
  - Energy Saving Mode

8. ENVIRONMENTAL CONDITIONS
- **Operating Temperature:** 0°C to 40°C
- **Humidity:** ≤85–90% RH (Non-condensing)
- **Storage Temperature:** -20°C to +55°C

9. MECHANICAL DETAILS
- **Housing:** ABS Anti-Flame Plastic Body
- **Dimensions:** Approx. 248 × 140 × 156 mm
- **Keyboard:** Soft Touch Keypad

10. OPTIONAL FEATURES
- KG / LB Unit Conversion
- Animal Weighing Function
- External Display / Scoreboard
- Printer / PC Connectivity
- Set Point / Relay Output

11. SPECIAL FEATURES
- High Stability with Digital Filtering
- Anti-Vibration Software
- Dual Power Operation (AC + Battery)
- Calibration Seal Protection (Legal Metrology Friendly)

12. WARRANTY
1 Year Warranty
(For Main Motherboard Only)

(As per TAJ INSTRUMENTS standard policy)

PLATFORM STRUCTURE & CAPACITY DETAILS

Capacity	Accuracy (+/-)	Platform Size (mm)	MS "C" Channel	MS TOP PLATE	Approx. Weight
500 Kg	100g	750 x 750	2" x 4"	2.8mm	45Kg
1000 Kg	100g	900 x 900	2" x 4"	2.8mm	55Kg
1000 Kg	100g	1000 x 1000	2" x 4"	2.8mm	65Kg
2000 Kg	200g	1200 x 1200	2" x 4"	2.8mm	98Kg
2000 Kg	200g	1200 x 1200	2" x 4"	5mm	123Kg
3000 Kg	500g	1500 x 1500	2" x 4"	2.8mm	140Kg
3000 Kg	500g	1500 x 1500	2.5" x 5"	2.8mm	160Kg
5000 Kg	500g	1500 x 1500	2.5" x 5"	5mm	215Kg

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Rajkot, Gujarat

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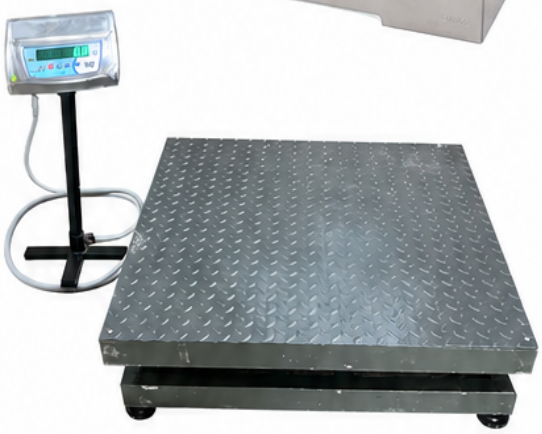
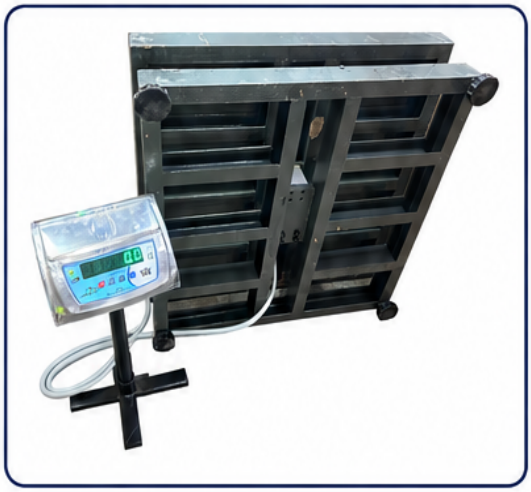
MFG.BY: TAJ INSTRUMENTS-INDIA

Heavy MS "C" Channel Strcuture Digital Platform Scale with Heavy Brick Type Jumbo Load Cell

- **Load Cell:** Original ADI Make Heavy Brick Type Jumbo Load Cell
- **Structure:** Heavy MS "C" Channel Structure
- **Weighing Indicator:** SS Body with MS Base Plate
- **Front Display:** 0.56" Indian Green Led Display
- **Indicator Outer Body:** Steel Body with MS Base Plate
- **Battery:** 6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
- **Calibration:** External (by standard reference weight)
- **Tare Range:** 25% of Capacity
- **Zero Adjustment:** Manual Zero
- **Power Supply:** 230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
- **Power Consumption:** Low Power Consumption Design
- **Operating Temperature:** 0°C to +45°C
- **Humidity:** Up to 85% RH, Non-Condensing







Platform Size	Max Capacity	e/Accuracy	Approx Weight Of Scale
750x750mm	500Kg	50g	80-85
900x900mm	1000Kg	100g	110-115Kg

Call Product Inquiry: 8511201789 / 9328511234

*Website: www.tajinstruments.in / www.tajinstruments.com

Rajkot, Gujarat

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*MSME UDYAM Reg.No.: GJ-20-0071966

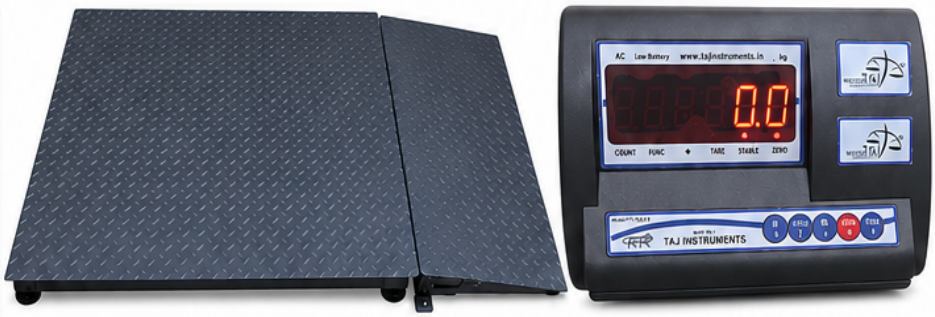
MFG.BY: TAJ INSTRUMENTS-INDIA

Model: TI-T3-A12 Industrial Grade Heavy Dormant 4 Load Cell Platform Scale with ONE SIDE RAMP

Class III Accuracy, AC/DC with Rechargeable Battery, RS232 Optional – Best Industrial Platform & Floor Scales

WHAT IS THE RAMP?

The ramp is a strong, sloped platform attached to one side of the scale, designed to bridge the height gap between the floor and the weighing platform. It allows smooth and easy movement of trolleys, pallet trucks, wheelchairs, drums, and other wheeled materials onto the scale without lifting or strain.



USAGE & BENEFITS OF RAMP

EASY LOADING & UNLOADING



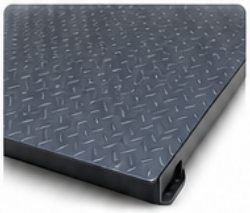
Enables effortless movement of trolleys, pallet trucks, and material onto the scale.

REDUCES MANUAL EFFORT & TIME



Eliminates the need to lift heavy items, saving time and improving productivity.

PREVENTS DAMAGE TO EDGES



Protects the scale platform and wheels from impact, increasing durability.

IMPROVES SAFETY



Reduces the risk of slipping or accidents while loading or unloading materials.

WIDE RANGE OF APPLICATIONS



Ideal for industrial, logistics, warehouse, agriculture, and healthcare use.

WHERE CAN IT BE USED?


WAREHOUSES


LOGISTICS & TRANSPORT


MANUFACTURING UNITS


AGRICULTURE


HOSPITALS & HEALTHCARE


DRUMS & BARRELS


RETAIL & MARKETS


INDUSTRIAL APPLICATIONS

HOW IT WORKS?



1. Approach the Ramp
Bring the trolley or material close to the ramp.



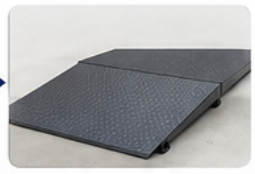
2. Move on the Ramp
Move smoothly over the ramp onto the platform.



3. Place on Platform
Position the material at the center of the platform.



4. Get Accurate Weight
The load is measured by high precision load cells and shown on indicator.



5. Move Out Safely
After weighing, move back using the ramp safely and easily.

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Location: Rajkot, Gujarat

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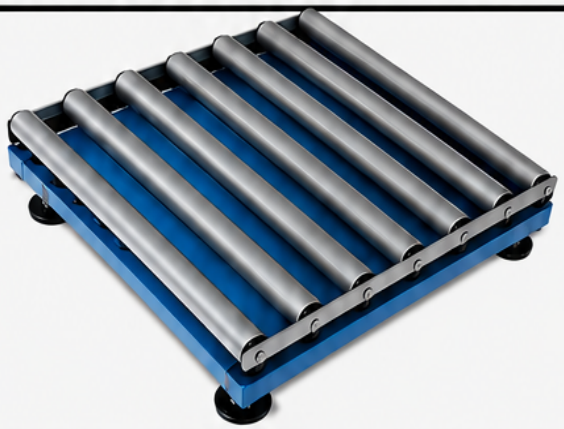
*MSME UDYAM
Reg.No.:GJ-20-0071966

MFG.BY: TAJ INSTRUMENTS-INDIA

Item: MS ROLLER Industrial Platform Scale

* **Structure:** 40mm or 50mm MS Pipe Structure with MS ROLLER
* **Load Cell:** Heavy Mild Steel 25x35 Single Point Off Center PF LC



Ideal For Weighing

Oil Barrels / Drums



Heavy Boxes / Cartons



Sacks / Bags



Crates / Bins

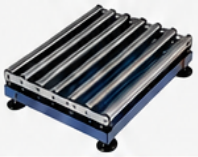


* Available:

- Single Roller Platform
- Roller Platform With One Side Roller Ramp
- Roller Platform with Roller Ramp on Both Side

(as per customer requirements)

Single Roller Platform



One Side Roller Ramp



Roller Ramp on Both Side



With TI-T3-A12 High Precision Weighing Indicator



Platform Size	Max Capacity	e/Accuracy
500x500mm	200Kg	50g
600x600mm	300Kg	100g
750x750mm	500Kg	100g

Technical Details For TI-T3-A12 High Precision Weighing Indicator

1. General Details
- Make: TAJ INSTRUMENTS
- Model: TI-T3-A12E
- Type: Digital Weighing Indicator
- Application: Platform Scale / Floor Scale / Industrial Systems
- Usage: Industrial, Warehouse, Transport, Market, Logistics

2. Accuracy & Performance
- Accuracy Class: Class III (n = 3000)
- Internal Resolution: Up to 300,000
- External Counts: Up to 30,000
- A/D Conversion: High precision Sigma-Delta (Σ-Δ)
- Sampling Speed: 10 times/sec
- Input Sensitivity: ≥1μV/e

3. Load Cell Compatibility
- Load Cell Connection: 1 to 4 Load Cells (350Ω)
- Excitation Voltage: DC 5V / 150mA
- Input Signal Range: -10mV to 15mV
- Load Cell Type: 4-wire / 6-wire compatible

4. Display & Interface
- Display Type:
  - A12: LCD Display
  - A12E: Bright LED Display
- Display Digits: 6 digits
- Status Indicators: 6-7 indication signals
- Backlight Mode: Auto / ON / OFF

5. Functions
- Weighing
- Counting Function
- Accumulation (M+)
- Zero / Tare Function
- Auto Zero Tracking
- Digital Filtering (Anti-Vibration)
- Unit Weight Memory Protection
- Power Saving Mode
- Calibration Protection (Seal System)

6. Communication & Output
- Interface: RS332C (Optional)
- Baud Rate: 1200 / 2400 / 4800 / 9600
- Transmission Distance:
  - RS332: Up to 30m
  - Scoreboard: Up to 50m (optional)
- Output Mode: Continuous / Command

7. Power Supply
- AC Supply: 187V – 242V, 50Hz
- Battery: 6V / 4Ah Rechargeable
- Features:
  - Low Battery Alarm
  - Auto Power Off
  - Energy Saving Mode

8. Environmental Conditions
- Operating Temperature: 0°C to 40°C
- Humidity: ≤85–90% RH (Non-condensing)
- Storage Temperature: -20°C to +55°C

9. Mechanical Details
- Housing: ABS Anti-Flame Plastic Body
- Keyboard: Soft Touch Keypad

10. Optional Features
- KG / LB Unit Conversion
- Animal Weighing Function
- External Display / Scoreboard
- Printer / PC Connectivity
- Set Point / Relay Output

11. Special Features
- High Stability with Digital Filtering
- Anti-Vibration Software
- Dual Power Operation (AC + Battery)
- Calibration Seal Protection (Legal Metrology Friendly)

12. Warranty
1 Year Warranty
(For Main Motherboard Only)
(As per TAJ INSTRUMENTS standard policy)

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*Website: www.tajinstruments.in / www.tajinstruments.com
Location: Rajkot, Gujarat

MSME UDYAM Reg. No.: GJ-20-0071966

MFG. BY: **TAJ INSTRUMENTS-INDIA**

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ANIMAL WEIGHING SCALE –TI-ECONOMY

4 LOAD CELL PLATFORM SCALE



SPECIFICATIONS:

- Platform Size: 1200 x 1800mm (4ft x 6ft) with Cage
- Heavy Duty MS Chequered Platform
- 4 High Precision Load Cells
- Tare Function & Animal Hold Mode
- Bright LED Display
- Rustproof Steel Pipe Railing
- Power: 230V AC / Rechargeable Battery
- Suitable for Cows, Buffalos, Horses etc.

- Heavy Duty Construction
- High Precision Load Cells
- Animal Hold Function
- Bright LED Display
- Rustproof Steel Railing
- AC Power & Rechargeable Battery



Call For Product Inquiry: +91 8511201789 / +91 9328511234

www.tajinstruments.in / www.tajinstruments.com

Gujari Bazar Main Road, Nr. Kansara Bazar, Rajkot-360001 (GJ)

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BUILT FOR TOUGH INDUSTRIES, BUILT TO LAST.

SS 304 WEIGHING SOLUTION

Engineered with premium SS304 construction and advanced weighing technology, our scale delivers unmatched performance in the most demanding industrial environments.



- DURABLE SS304 BUILT
- WATER & DUST PROOF
- HIGH ACCURACY
- EASY TO CLEAN & MAINTAIN

100% STAINLESS STEEL — SS 304 Construction

WATER & DUST PROOF — IP67 Indicator | IP68 Switch

HIGH ACCURACY — Precise & Reliable

EASY TO CLEAN — Hygienic & Safe

KEY SPECIFICATIONS

Construction	SS304 Stainless Steel (Platform, Frame & Indicator)
Protection	IP67 (Indicator) | IP68 (Switch)
Load Capacity	10 kg to 500 kg (Customizable)
Accuracy	Class III / High Precision
Display	Bright Green LED, 6 Digit, 20mm Height
Power Supply	AC 100–240V, 50/60Hz, DC 6V/4Ah Battery (Rechargeable)
Operating Temp.	-10°C to +55°C
Platform Size	Customizable (as per requirement)
Switch	Sealed Stainless Steel (IP68)
Applications	Industrial / Commercial Use

BENEFITS YOU CAN COUNT ON

Built for Harsh Environments
Withstands water, chemicals, dust and heavy cleaning.

Rust & Corrosion Resistant
SS304 stainless steel ensures long service life.

Hygienic & Easy to Clean
Smooth surface prevents dirt build-up and ensures quick sanitation.

High Accuracy Weighing
Advanced load cell technology for precise and consistent results.

Low Maintenance
Durable construction reduces breakdowns and maintenance cost.

Better Return on Investment
Long life, reliability and minimal downtime deliver maximum value.

IDEAL FOR


CHEMICAL INDUSTRIES


DAIRY INDUSTRIES


FOOD INDUSTRIES


PHARMACEUTICAL INDUSTRIES

USAGE & APPLICATION EXAMPLES

CHEMICAL INDUSTRY
Example:
Weighing of paints, resins, solvents, acids, alkalis and chemical powders.

Benefit:
SS304 construction resists corrosion and ensures safe, accurate weighing.

DAIRY INDUSTRY
Example:
Weighing of milk, cream, curd, butter, skimmed milk powder and other products.

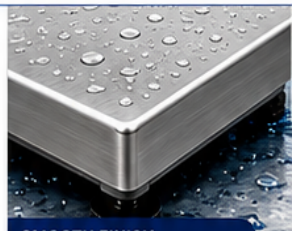
Benefit:
Hygienic surface for easy cleaning and contamination free operations.

FOOD INDUSTRY
Example:
Weighing of grains, flour, spices, fruits, vegetables, meat, poultry and packaged food.

Benefit:
Food grade SS304 platform ensures safety and complies with food regulations.

PHARMACEUTICAL INDUSTRY
Example:
Weighing of API, tablets, capsules, powders and other raw materials.

Benefit:
Dustproof & waterproof design ensures accuracy and compliance with GMP.



CALL FOR PRODUCT INQUIRY:
9328511234

WEBSITE:
www.tajinstruments.in
www.tajinstruments.com

LOCATION:
Rajkot, Gujarat

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*MSME UDYAM
Reg.No.:GJ-20-0071966

MFG.BY: TAJ INSTRUMENTS-INDIA

Item: Flameproof Platform Scale

Safe, Accurate & Reliable Weighing for Hazardous Environment

This Scale is Duly Certified By Legal Meteorology Department

WHERE IT IS USED?


LPG Gas Godown


Chemical Industry


Oil & Gas Industry


Paint & Solvent Storage

FLAMEPROOF DISPLAY PANEL IS **PESSO CERTIFIED**

Comes with Peso Certificate copy of flameproof panel manufacturer

PESO



IDEAL FOR ZONE 1 & ZONE 2 HAZARDOUS AREAS

SPECIFICATIONS

• Make	:	TAJ INSTRUMENTS
• Model	:	Flameproof Platform Scale(600x600mm)(24"x24") (with Weigh Taj High Precision Motherboard)
• Max Capacity	:	100Kg
• e/Accuracy(+/-)	:	10g
• Platform Size	:	600x600mm(24"x24") (STEEL PLATE)
• Structure	:	32mm-1"inch MS Pipe with SS Top (Approx.Weight:22-23Kg)
• Load Cell	:	Heavy Mild Steel Single Point Off Center PF LC
• With Flameproof Weighing Display Panel	:	250x250mm Peso Certified
• Frontx Display	:	0.8" Indian Green Led Display
• Indicator Outer Body	:	Steel Body with MS Base Plate
• Battery	:	6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
• Calibration	:	External (by standard reference weight)
• Tare Range	:	25% of Capacity
• Zero Adjustment	:	Manual Zero
• Power Supply	:	230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
• Power Consumption	:	Low Power Consumption Design
• Operating Temperature	:	0°C to +45°C
• Humidity	:	Up to 85% RH, Non-Condensing



LOAD CELL

Heavy Mild Steel Single Point
Off Center PF LC



CAPACITY, ACCURACY & PLATFORM DETAILS

Max Capacity	e/Accuracy(+/-)	Platform Structure	Top Plate
100Kg	10g	32mm MS Pipe	MS Plate

Flameproof Design Safe for Hazardous Area

PESSO Certified Flameproof Display

Rechargeable Battery Backup 20-24 Hrs

0.8" Indian Green LED Display

Strong & Durable Heavy Duty Construction

Ideal for LPG & Chemical Industries

*WhatsApp Product Inquiry:
8511201789 / 9328511234

*Website:
www.tajinstruments.in /
www.tajinstruments.com

Location:
Rajkot, Gujarat, India

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GJ-20-0071966

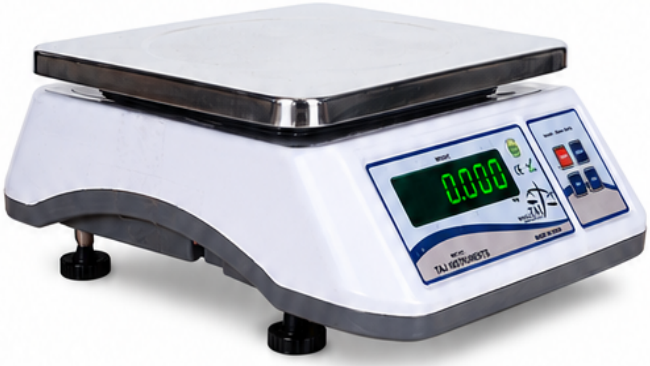
MFG.BY: TAJ INSTRUMENTS-INDIA

Model: Silver Series
High Precision Table Top Scale

HIGH PRECISION







SPECIFICATIONS

*Make	TAJ INSTRUMENTS
*Pan Size	250x300mm (10"x12") (with SS TOP PLATE)
*Load Cell	Single Point Off Center 130mm TT LC
*Display	0.8" Indian Green Led Display 0.000 (front/back both side)
*Outer Body	ABS Virgin Plastic Body
*Battery	6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
*Calibration	External (by standard reference weight)
*Tare Range	25% of Capacity
*Zero Adjustment	Manual Zero
*Power Supply	230V AC ±10%, 50Hz
*Power Consumption	Low Power Consumption Design
*Operating Temperature	0°C to +45°C
*Humidity	Up to 85% RH, Non-Condensing

MAX CAPACITY & ACCURACY

Max Capacity	e/Accuracy
15/30Kg	1/2g (dual)
30Kg-A	1g
20Kg-A	0.5g (500mg)
20Kg-A	0.2g (200mg)
10Kg-A	0.1g (200mg)
5Kg-A	0.1g (100mg)
3Kg-A	0.1g (100mg)

In Capacity A Means it comes with
Original ADI Make Load Cell For Better Performance

ADI

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Location: Rajkot, Gujarat

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MFG.BY: TAJ INSTRUMENTS-INDIA

ITEM: MINI VIBRANT COUNTER SCALE

This model is Dust & Splash Proof



Max Capacity	e/Accuracy
10/20Kg	1/2g (dual)
15Kg-A	0.5g(500mg)
10Kg-A	0.2g(200mg)
5Kg-A	0.1g(100mg)

SPECIFICATIONS

- **Make:** TAJ INSTRUMENTS (with High Precision Weightaj Motherboard)
- **Pan Size:** 175x225mm (7"x9")
- **Load Cell:** Single Point Off Center 130mm TT LC
- **Display:** 0.56" Green LED 0.000 (front/back both side)
- **Complete Body:** Virgin ABS Plastic Body
- **Battery:** 6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
- **Calibration:** External (by standard reference weight)
- **Tare Range:** 25% of Capacity
- **Zero Adjustment:** Manual Zero
- **Power Supply:** 230V AC ±10%, 50Hz
- **Power Consumption:** Low Power Consumption Design
- **Operating Temperature:** 0°C to +45°C
- **Humidity:** Up to 85% RH, Non-Condensing

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MFG.BY: TAJ INSTRUMENTS-INDIA

ITEM: REGULAR VIBRANT TABLE TOP SCALE

This model is Dust & Splash Proof



Max Capacity	e/Accuracy
8/20/30Kg	1/2/5g
30Kg-A	1g
20Kg-A	0.5g(500mg)
10Kg-A	0.5g(500mg)
10Kg-A	0.2g(200mg)
5Kg-A	0.1g(100mg)

SPECIFICATIONS

- **Make:** TAJ INSTRUMENTS (with High Precision Weightaj Motherboard)
- **Pan Size:** 240x300mm (9.6"x12") with STEEL TOP PLATE
- **Load Cell:** Single Point Off Center 130mm TT LC
- **Display:** 0.56" Indian Green LED Display 0.000 (front/back both side)
- **Complete Body:** Virgin ABS Plastic Body
- **Battery:** 6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
- **Calibration:** External (by standard reference weight)
- **Tare Range:** 25% of Capacity
- **Zero Adjustment:** Manual Zero
- **Power Supply:** 230V AC ±10%, 50Hz
- **Power Consumption:** Low Power Consumption Design
- **Operating Temperature:** 0°C to +45°C
- **Humidity:** Up to 85% RH, Non-Condensing

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MFG. BY: TAJ INSTRUMENTS-INDIA

MODEL: TI-TT-DELUXE PIECE COUNTING SCALE



SPECIFICATIONS:

- **Model:** TI-TT-Deluxe Piece Counting Scale
- **Capacity:** 15/30 Kg
- **Accuracy:** 1/2g (Dual)
- **Display:** 0.56" GREEN LED (3 Window Display)
  (Weight / Unit Weight / Total Pieces)
  Front Display Only (Industrial Model)
- **Battery:** 6V-4.5Ah Sealed Lead Acid
  (Backup: 20–24 Hours)
- **PLU Memory:** 99
- **Body:** Heavy ABS Virgin Plastic with MS Base Plate
- **Pan Size:** 275 × 325 mm (11" × 13")
- **Load Cell:** Single Point Off Center 130mm TT LC
- **Calibration:** External (Standard Weight)
- **Tare Range:** 25% of Capacity
- **Zero Adjustment:** Manual
- **Power Supply:** 230V AC ±10%, 50Hz
- **Power Consumption:** Low Power Design
- **Operating Temperature:** 0°C to +45°C
- **Humidity:** Up to 85% RH (Non-Condensing)
- **Approx Weight:** 6.800 Kg

NOTE:

- Industrial Piece Counting Scale → Front Display Only
- Retail Price Computing Scale → Front + Pole Display

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MSME UDYAM Reg.No.:
GJ-20-0071966

MFG.BY: TAJ INSTRUMENTS-INDIA

Item: TIT3-Delux Piece Counting & Price Computing Scale





PRECISE ACCURATE DURABLE

Smart Weighing for Smart Business

HIGH ACCURACY | STRONG & DURABLE | BATTERY BACKUP 30–40 HRS | LED INDIAN GREEN LED DISPLAY | EASY MAINTENANCE

TECHNICAL DETAILS

TIT3-Delux PC/ PRC Computing Platform Scale

- **Make:** TAJ INSTRUMENTS (ISO, CE, RoHS Certified Co.)
  (Certified by Indian Govt)
  (Formerly Since 1977 Known as National Stores)
- **Model:** TIT3-Delux PC/ PRC Computing Platform Scale
- **Load Cell:** Single Point Off Center Platform LC
- **Display:** 0.56" Indian Green LED Display (Front Display Only)
  - First Display: Shows **WEIGHT**
  - Second Display: Shows **UNIT WEIGHT**
  - Third Display: Shows **TOTAL PIECE**
- **Mode:** **ONLY PIECE COUNTING**
- **Structure / Outer Body:** Square MS Fabricated with SS Top Plate
- **Battery:** 6V-4.5Ah Lead Acid (Auto Rechargeable)
  (Backup: 30–40 Hours)
- **Calibration:** External (By Standard Reference Weight)
- **Tare Range:** 25% of Capacity
- **Zero Adjustment:** Manual Zero
- **Power Supply:** 230V AC ±10%, 50Hz
- **Power Consumption:** Low Power Consumption Design
- **Operating Temperature:** 0°C to +45°C
- **Humidity:** Up to 85% RH, Non-Condensing

MODEL RANGE & SPECIFICATIONS

No.	Platform Size (mm)	Structure	Max Cap	e/Accu (+/-)	Load Cell
1	275x325 mm	ABS with MS Base Plate	15/30 Kg	1/2 g	130mm TT
2	275x325 mm	ABS with MS Base Plate	30 Kg	1 g	130mm TT
3	275x325 mm	ABS with MS Base Plate	20 Kg	0.5 g	130mm TT
4	275x325 mm	ABS with MS Base Plate	5 Kg	0.1 g	130mm TT
5	400x400 mm (SS)	32mm Pipe	50 Kg	5 g	25x25 ALLU
6	400x400 mm (SS)	32mm Pipe	100 Kg	10 g	25x25 ALLU
7	500x500 mm (SS)	32mm Pipe	100 Kg	10 g	25x25 ALLU
8	500x500 mm (SS)	32mm Pipe	200 Kg	20 g	25x25 ALLU
9	600x600 mm (SS)	32mm Pipe	100 Kg	10 g	25x25 ALLU
10	600x600 mm (SS)	32mm Pipe	200 Kg	20 g	25x35 SS
11	600x600 mm (SS)	32mm Pipe	300 Kg	50 g	25x35 SS
12	750x750 mm (MS)	38mm Pipe	500 Kg	50 g	25x35 SS
13	900x900 mm (MS)	50mm Pipe	500 Kg	100 g	25x35 SS

Note: Specifications are subject to change without prior notice.

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Website:
www.tajinstruments.in / www.tajinstruments.com

Location: Rajkot, Gujarat

*MSME UDYAM Reg.No.: GJ-20-0071966

MFG. BY: TAJ INSTRUMENTS-INDIA

MODEL: TIT3-A15E – High Precision Piece Counting Scale

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1 YEAR WARRANTY
MOTHERBOARD ONLY

LEGAL METROLOGY APPROVED

TECHNICAL DETAILS – TIT3-A15E HIGH PRECISION PC COMPUTING PLATFORM SCALE

1. GENERAL DETAILS
- Make: TAJ INSTRUMENTS
- Model: TIT3-A15E
- Type: Digital Weighing Indicator (LED Display)
- Application: Platform Scale / Floor Scale / Industrial Weighing Systems
- Usage: Static weighing, price computing & counting

2. ACCURACY & PERFORMANCE
- Accuracy Class: Class III (N = 3000)
- A/D Conversion: High precision Sigma-Delta technology
- External Counts: Up to 30,000
- Minimum Resolution: 1/10,000
- Sampling Rate: 10–15 times/sec

3. LOAD CELL COMPATIBILITY
- Load Cell Connection: 1 to 6 load cells (350Ω)
- Excitation Voltage: DC 5V
- Input Signal Range: -2mV to 13mV

4. DISPLAY & INTERFACE
- Display Type: Bright LED Display
- Display Digits: 6 digits
- Indications: 10 status indicators
- Display Range: -99990 to 999990

5. FUNCTIONS
- Weighing
- Price Computing
- Counting Function
- Accumulation (M+, MC)
- Zero / Tare Function
- High-Low Limit Alarm (Optional)
- Auto Zero Tracking
- Unit Weight Calculation
- Power Saving Mode

6. COMMUNICATION & OUTPUT
- Interface: RS232 (Optional)
- Baud Rate: 600 / 1200 / 2400 / 4800 / 9600 selectable
- Output: Data transmission to PC / display board

7. POWER SUPPLY
- Power Source: AC 187–242V, 50Hz
- Battery: Built-in 6V / 4Ah Rechargeable Battery
- Features:
  - Battery status indication
  - Low battery alarm
  - Auto power-off

8. ENVIRONMENTAL CONDITIONS
- Operating Temperature: 0°C to +40°C
- Humidity: ≤85% RH (Non-condensing)
- Storage Temperature: -25°C to +55°C

9. MECHANICAL DETAILS
- Housing: ABS / Plastic Body
- Dimensions: Approx. 260 × 190 × 170 mm
- Weight: Approx. 1.75 kg

10. SPECIAL FEATURES
- Fast response & high precision
- Stable performance with digital filtering
- Multi-division selection (1/2/5/10/20/50/100)
- Suitable for heavy industrial applications

WhatsApp Product Inquiry:
8511201789 / 9328511234

Website:
www.tajinstruments.in / www.tajinstruments.com

No.	Platform Size (mm)	Structure	Max Cap	e/Accu (+/-)	Load Cell
1	240x300 mm (pc count of 200mg)	SS with MS Base Plate	30Kg	0.5g	ADI 130mm TT
2	275x325 mm (pc count of 100mg)	SS with MS Base Plate	20Kg	0.2g	ADI 130mm TT
3	275x325 mm (pc count of 50mg)	ABS with MS Base Plate	5Kg	0.1g	ADI 130mm TT
4	400x400mm (SS)	32mm Pipe	30Kg	1g	ADI 25x25 ALLU
5	400x400mm (SS)	32mm Pipe	70Kg	2g	ADI 25x25 ALLU
6	400x400mm (SS)	32mm Pipe	100Kg	5g	ADI 25x25 ALLU
7	500x500mm (SS)	32mm Pipe	100Kg	5g	ADI 25x25 ALLU
8	500x500mm (SS)	32mm Pipe	200Kg	10g	ADI 25x25 ALLU
9	600x600mm (SS)	32mm Pipe	100Kg	5g	ADI 25x35 ALLU
10	600x600mm (SS)	32mm Pipe	200Kg	10g	ADI 25x35 SS
11	600x600mm (SS)	32mm Pipe	300Kg	20g	ADI 25x35 SS
12	750x750mm (MS)	38mm Pipe	500Kg	20g	ADI 25x35 SS

LOCATION: RAJKOT, GUJARAT

MAKE IN INDIA

WEIGH TAJ
weighing at its best

*MSME UDYAM Reg.No.: GJ-20-0071966

MFG. BY: TAJ INSTRUMENTS-INDIA

Model: Diamond Receipt / Ticket Printing Table Top Scale

(Print: Slip No., Date, Time & Weight)



RECEIPT / TICKET PRINTING
Slip No., Date, Time & Weight

0.8" GREEN LED DISPLAY
(Front & Back Both Side)

BATTERY BACKUP
20-24 Hours (Auto Rechargeable)

ABS VIRGIN PLASTIC BODY
Strong, Durable & Reliable

TECHNICAL SPECIFICATIONS

Make	:	TAJ INSTRUMENTS
Max Capacity	:	10 / 20 / 30 Kg (Max Cap: 30 Kg)
e/Accuracy (+/-)	:	1 / 2 / 5 g (Triple Accuracy) (Up to 10 Kg → 1 g | 10–20 Kg → 2 g | 20–30 Kg → 5 g)
Readability (Least Count)	:	5 g (Smallest weight increment displayed)
Pan Size	:	250 x 300 mm (10" x 12") (SS Top Plate)
Load Cell	:	Single Point Off Center 130 mm TT LC
Display	:	0.8" Green LED Display (Front & Back Both Side)
Outer Body	:	ABS Virgin Plastic Body
Battery	:	6V – 4.5Ah Sealed Lead Acid (Auto Rechargeable, Backup: 20–24 hrs)
Calibration	:	External (By Standard Reference Weight)
Tare Range	:	25% of Capacity
Zero Adjustment	:	Manual Zero
Power Supply	:	230V AC ±10%, 50Hz
Power Consumption	:	Low Power Consumption Design
Operating Temperature	:	0°C to +45°C
Humidity	:	Up to 85% RH, Non-Condensing

LOAD CELL



Single Point Off Center 130 mm TT LC

WhatsApp Product Inquiry:
8511201789 / 9328511234

Website:
www.tajinstruments.in
www.tajinstruments.com

Location: Rajkot, Gujarat

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CERTIFIED ISO 9001:2015 COMPANY

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MSME
MICRO, SMALL & MEDIUM ENTERPRISES
सूक्ष्म, लघु एवं मध्यम उद्यम

*MSME UDYAM Reg.No.: GJ-20-0071966

MFG. BY: TAJ INSTRUMENTS - INDIA

MODEL: Diamond Receipt / Ticket Printing Industrial Platform Scale

(Print: Slip No., Date, Time & Weight)



TECHNICAL SPECIFICATIONS

- **Make:** TAJ INSTRUMENTS
- **Display:** 0.56" Green LED Display (Front/Back Both Side) 
- **Outer Body:** ABS Virgin Plastic Body
- **Battery:** 6V – 4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup: 20–24 Hours)
- **Calibration:** External (By Standard Reference Weight)
- **Tare Range:** 25% of Capacity
- **Zero Adjustment:** Manual Zero
- **Power Supply:** 230V AC ±10%, 50Hz
- **Power Consumption:** Low Power Consumption Design
- **Operating Temperature:** 0°C to +45°C
- **Humidity:** Up to 85% RH, Non-Condensing

No	Platform Size	Structure	Max Cap	e/Accu (+/-)	Load Cell
1	400x400mm (SS)	25mm Pipe	50Kg	5g	25x25 ALLU
2	400x400mm (SS)	25mm Pipe	100Kg	10g	25x25 ALLU
3	500x500mm (SS)	32mm Pipe	100Kg	10g	25x25 ALLU
4	500x500mm (SS)	32mm Pipe	200Kg	20g	25x25 ALLU
5	600x600mm (SS)	32mm Pipe	100Kg	10g	25x35 SS
6	600x600mm (SS)	32mm Pipe	200Kg	20g	25x35 SS
7	600x600mm (SS)	32mm Pipe	300Kg	50g	25x35 SS
8	750x750mm (MS)	38mm Pipe	500Kg	50g	25x35 SS

WhatsApp Product Inquiry:
8511201789
/ 9328511234

Website:
www.tajinstruments.in
www.tajinstruments.com

Location:
Rajkot, Gujarat

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MFG. BY:

TAJ INSTRUMENTS-INDIA

Manufacturing Precision Weighing & Industrial Automation Solutions

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MODEL: TI-COLOR CODED BABY SCALE WITH SLING (TRI COLOR / COLOR CODED TUBULAR SPRING SCALE)

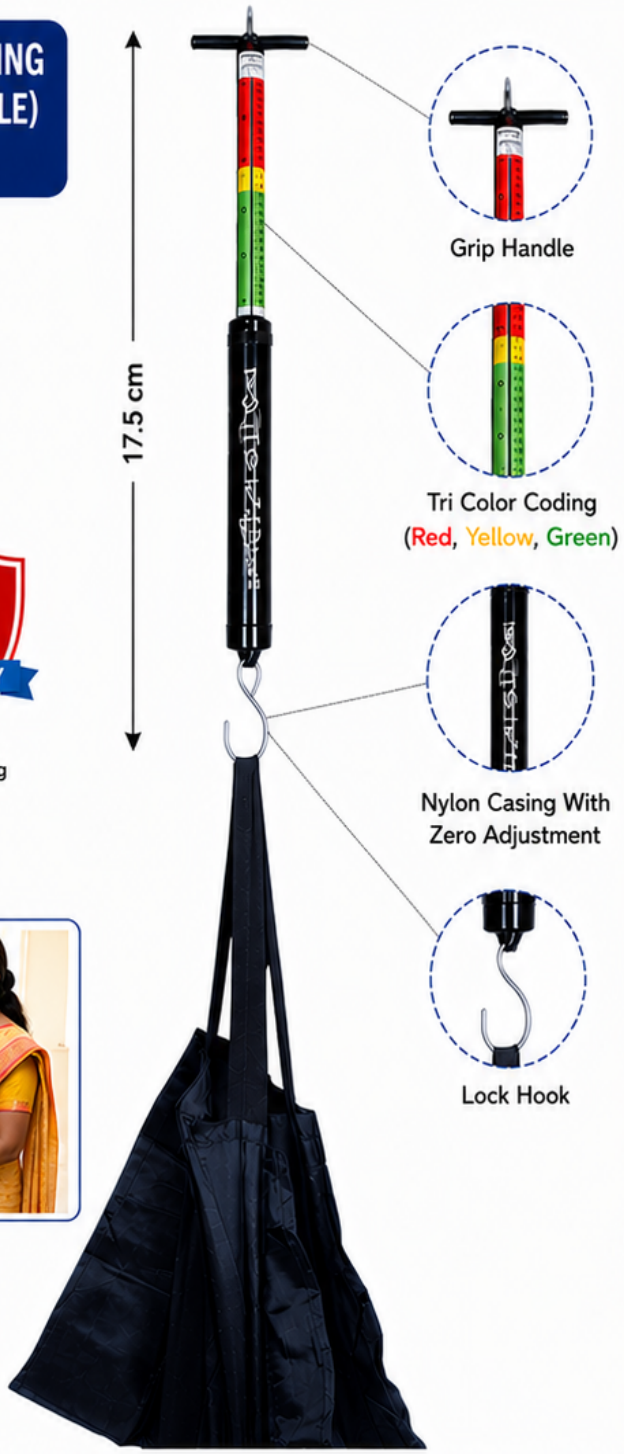
(WITH BABY SLING)

CAPACITY	ACCURACY
5Kg	100g

- Nylon Casing With Zero Adjustment suspension ring with grip handle and lock hook
- Calibration to weigh 0-5Kg
- 100g graduation with tri color coding (Red, Yellow, Green)
- Length of the scale 17.5cm along with a sling for new born babies
- Lightweight, Portable and Easy to Use
- One Year Company Warranty against manufacturing defects

1 YEAR WARRANTY

Against Manufacturing Defects



MOSTLY USED IN ANGANWADI CENTERS

Anganwadi centers fight malnutrition (kuposhan) by providing nutritious food, growth tracking, and health education to children under six, pregnant women, and lactating mothers. Workers identify malnourished children and supply extra meals or refer them to special care centers.



SPECIFICATIONS

Model	TI-Color Coded Baby Scale with Sling (Tri Color / Color Coded Tubular Spring Scale)
Capacity	5 Kg
Accuracy	100 g
Calibration Range	0 – 5 Kg
Graduation	100 g
Color Coding	Tri Color (Red, Yellow, Green)
Length of Scale	17.5 cm (with sling)
Material	Nylon Casing
Features	Zero Adjustment, Suspension Ring, Grip Handle, Lock Hook
Sling	Included for New Born Babies
Warranty	One Year Company Warranty against manufacturing defects



- Master Cartoon: 200 pc
- Approx. Net Weight: 140-170g (per pc)
- Box Dimensions (cm): 53.3 x 38.1 x 45.7 cm
- Approx. Weight Of Master Box: 35.600 Kg

WhatsApp / Inquiry:
+91 8511201789 / +91 9328511234

Website:
www.tajinstruments.in
www.tajinstruments.com

Location:
RAJKOT - 360001 (Gujarat) INDIA

WEIGH TAJ
weighing at its best

MFG.BY:
TAJ INSTRUMENTS-INDIA

CERTIFIED ISO 9001:2015 COMPANY | CE | RoHS

Model: TICS-6S-ABS-Suspended Hanging Circular Spring Balance

ABS SUSPENDED HANGING CIRCULAR SPRING BALANCE

ACCURATE • DURABLE • RELIABLE



High precision dial type spring balance designed for various weighing applications. Lightweight, portable & easy to use.

CAPACITY

25Kg

ACCURACY: 100g

SALIENT FEATURES

- Easy to read large dial display
- High accuracy and repeatability
- Strong & durable ABS body
- Lightweight and portable
- Smooth spring mechanism for long lasting performance
- Zero adjustment facility
- Comes with comfortable baby sling

COMES WITH COMFORTABLE SLING



TECHNICAL SPECIFICATIONS

Model	TICS-6S-ABS
Type	Dial Type Spring Balance
Body Material	ABS (Acrylonitrile Butadiene Styrene)
Dial Size	6" inch
Max Capacity	25Kg
Graduation	100g
(+/-)Accuracy	100g
Hook Material	Steel (Nickel Plated)
Application	Anganwadi Centers for Baby Weighing

IDEAL FOR GOVERNMENT ANGANWADI PROJECT

Used for accurate weighing of infants and children in Anganwadi Centers.

CONTACT:
9328511234 / 8511201789

WEBSITE:
www.tajinstruments.in / www.tajinstruments.com

LOCATION:Rajkot,Gujarat,India

WEIGH TAJ
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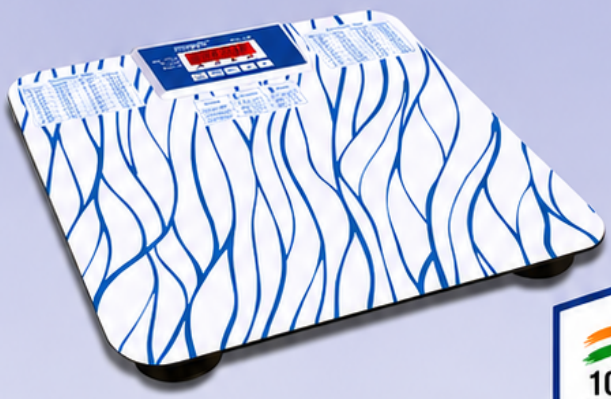
MKT.BY: TAJ INSTRUMENTS-INDIA

Model: PAS-150(LED)

Digital Personal Weighing Scale



100% INDIAN MAKE

PAS-150(LED) Digital Personal Weighing Scale is a high performance electronic scale designed for accurate and hassle-free weighing of persons.

SALIENT FEATURES :

- Loadcell based electronic weighing scale for weighing persons.
- Accurate and quick weighing.
- Attractive and sturdy **M.S. METAL BODY.**
- LED display.
- Indicates weight and BMI (Body Mass Index).
- Indigenously developed, designed and manufactured in India.

IDEAL FOR USE IN



Homes



Clinics



Hospitals



Anganwadies



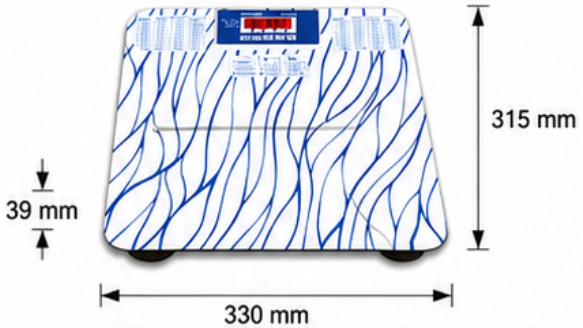
Primary Health Centres

Models	Capacity	Accuracy	Platform Size
PAS-150	150 kg	0.1 kg	330 X 315 mm

SPECIFICATIONS :

1	Weighing technology	High precision strain gauge sensors.
2	Display	Easy to read bright red LED display.
3	Keyboard	5-key membrane keyboard with audio indication.
4	Hardware	• Attractive and sturdy **M.S. metal body.** • Weight: 3.1 kg with packing.
5	Special features	• Indicates weight and BMI. • Auto zero. • Easy to operate. • Indication for stable weight. • Extremely low power consumption.
6	Power requirement	2 nos. AA size 1.5 volts batteries (supplied with scale).
7	Dimension (mm)	330mm(L) x 315mm(W) x 39mm(H)

DIMENSION (mm)



1 YEAR WARRANTY

1 YEAR WARRANTY*
For Main Motherboard Only

Location: Rajkot, Gujarat, India

Website: www.tajinstruments.com
www.tajinstruments.in

E-mail: sales@tajinstruments.in

Call For Product Inquiry: 9328511234 / 8511201789

INDIGENOUSLY DEVELOPED, DESIGNED AND MANUFACTURED IN INDIA

WEIGHTAJ®
INSTRUMENTS - INDIA
WEIGHING WITH TRUST

CERTIFIED ISO 9001:2015 COMPANY

CE

RoHS

*MSME UDYAM Reg.No.:
GJ-20-0071966

MFG.BY: TAJ INSTRUMENTS-INDIA

Item: Multi Purpose Heavy Duty Home Scale

This Multi Purpose Heavy Duty Home Scale is specially designed for various home, shop and industrial weighing needs.
Strong, accurate and reliable – made for everyday use.



IDEAL FOR MULTI PURPOSE WEIGHING

Person Weighing	LPG Gas Cylinder Weighing	Air Luggage Weighing	Pasti / Waste Paper Weighing
			
Check your body weight easily at home.	Know your gas cylinder weight before booking.	Avoid extra baggage charges while traveling.	Weigh waste paper or scrap for resale or recycling.

SPECIFICATIONS

*Make	: TAJ INSTRUMENTS
*Max Capacity	: 180Kg
*e/Accuracy	: 100g (Display: 0.0)
*Platform Size	: 300x300mm (12"x12") (STEEL PLATE)
*Structure	: 25mm-1" inch MS Pipe with SS Top (Approx.Weight:4.800Kg)
*Load Cell	: Aluminum 3 Hole Single Point Off Center PF LC
*Weighing Indicator	: MS Body
*Front Display	: 0.56" Indian Green Led Display
*Battery	: 3.7V Lithium Battery (Auto Rechargeable) (Battery Backup-10-15hrs)
*Calibration	: External (by standard reference weight)
*Tare Range	: 25% of Capacity
*Zero Adjustment	: Manual Zero
*Power Supply	: 230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
*Power Consumption	: Low Power Consumption Design
*Operating Temperature	: 0°C to +45°C
*Humidity	: Up to 85% RH, Non-Condensing

WHY CHOOSE OUR MULTI PURPOSE HOME SCALE?

- Heavy Duty & Durable Steel Plate Platform
- High Accuracy & Stable Weighing
- Bright Indian Green LED Display
- Rechargeable Battery with Long Backup
- Multi Purpose Use for Home, Shop & Industrial Needs
- Easy to Use, Move & Maintain
- Ideal for Daily Weighing Tasks

WhatsApp Product Inquiry:
8511201789 / 9328511234

Website:
www.tajinstruments.in
www.tajinstruments.com

Location: Rajkot, Gujarat

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MFG.BY: TAJ INSTRUMENTS-INDIA

Item/Model: MS ECONOMY-BABY SCALE-4V-30K-Neonatal Weighing Machine-30Kg



3.7V LITHIUM BATTERY (RECHARGEABLE)

LED
INDIAN GREEN LED DISPLAY

ACCURATE & RELIABLE

STRONG & DURABLE

LOW POWER CONSUMPTION

USED IN HOSPITALS FOR BABY WEIGHING



NEONATAL WEIGHING



NICU USE



ACCURATE & RELIABLE



IDEAL FOR HOSPITALS & MATERNITY CENTERS

SPECIFICATIONS

Max Capacity	: 30Kg	Battery	: 3.7V Lithium Battery (Auto Rechargeable) (Battery Backup-15-20hrs)
e/Accuracy(+/-)	: 5g	Calibration	: External (by standard reference weight)
Readability (Least Count)	: 30g (Smallest weight increments the scale can detect and display)	Tare Range	: 25% of Capacity
Baby Tray	: ABS Virgin Plastic	Zero Adjustment	: Manual Zero
Baby Tray / Bowl Dimension	: 533x304mm (Length:21" inch Width: 12" inch)	Power Supply	: 230V AC ±10%, 50Hz
Outer Body Dimensions	: L-13.5"inch x W-12"inch x 3.5"inch	Power Consumption	: Low Power Consumption Design
Load Cell	: Single Point Off Center Small 88mm	Operating Temperature	: 0°C to +45°C
Display	: 0.56" Indian Green Led Display (front/back both side)	Humidity	: Up to 85% RH, Non-Condensing
Outer Body	: Steel Body with MS Base Plate		

CAPACITY

30Kg-5g

Max Capacity: 30Kg

e/Accuracy: 5g

INDIAN GREEN LED DISPLAY



FRONT & BACK DISPLAY

BABY TRAY DIMENSION



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Website:

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Rajkot, Gujarat

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MFG.BY: TAJ INSTRUMENTS-INDIA

Item/Model: SS REGULAR-BABY SCALE-6V-30K-Neonatal Weighing Machine-30Kg-5g



USED IN HOSPITALS FOR BABY WEIGHING



NEONATAL WEIGHING



NICU USE



ACCURATE & RELIABLE



IDEAL FOR HOSPITALS & MATERNITY CENTERS

- 6V-4.5Ah RECHARGEABLE BATTERY
- INDIAN GREEN LED DISPLAY
- ACCURATE & RELIABLE
- STRONG & DURABLE
- LOW POWER CONSUMPTION

SPECIFICATIONS

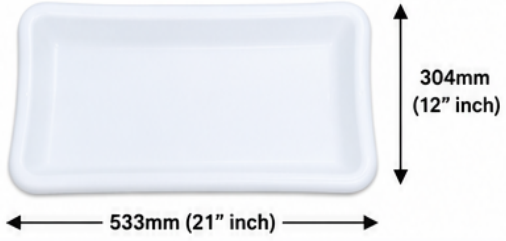
Max Capacity	:	30Kg
e/Accuracy (+/-)	:	5g
Readability (Least Count)	:	30g (Smallest weight increments the scale can detect and display)
Baby Tray	:	ABS Virgin Plastic
Baby Tray / Bowl Dimension	:	533x304mm (Length: 21" inch Width: 12" inch)
Outer Body Dimensions	:	L-13.5"inch x W-12"inch x 3.5"inch
Display	:	0.56" Indian Green LED Display (front/back both side)
Outer Body	:	Steel Body with MS Base Plate
Battery	:	6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
Calibration	:	External (by standard reference weight)
Tare Range	:	25% of Capacity
Zero Adjustment	:	Manual Zero
Power Supply	:	230V AC ±10%, 50Hz
Power Consumption	:	Low Power Consumption Design
Operating Temperature	:	0°C to +45°C
Humidity	:	Up to 85% RH, Non-Condensing

INDIAN GREEN LED DISPLAY



FRONT & BACK DISPLAY

BABY TRAY DIMENSION



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Website:

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Rajkot, Gujarat

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MFG.BY: TAJ INSTRUMENTS-INDIA

Item: Mini Vibrant Baby Scale



DUST & SPLASH PROOF

SPECIFICATIONS

*Make	TAJ INSTRUMENTS (with High Precision Weightaj Motherboard)
*Max Capacity	30Kg
*e/Accuracy	5g
*Baby Tray	ABS Virgin Plastic
*Baby Tray / Bowl Dimension	533x304mm (Length:21" inch Width: 12" inch)
*Complete Body	Virgin ABS Plastic Body
*Load Cell	Single Point Off Center 130mm TT LC
*Display	0.56" Indian Green Led Display(front/back both side)
*Battery	6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
*Calibration	External (by standard reference weight)
*Tare Range	25% of Capacity
*Zero Adjustment	Manual Zero
*Power Supply	230V AC ±10%, 50Hz
*Power Consumption	Low Power Consumption Design
*Operating Temperature	0°C to +45°C
*Humidity	Up to 85% RH, Non-Condensing

HIGH PRECISION
Accurate & Reliable Weighing

DURABLE DESIGN
Strong ABS Body & Virgin Plastic Tray

LONG BATTERY BACKUP
20-24 Hours Continuous Use

*Call For Product Inquiry: 8511201789 / 9328511234

*Website: www.tajinstruments.in / www.tajinstruments.com

Location: Rajkot, Gujarat

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MFG.BY: TAJ INSTRUMENTS-INDIA

Item: Vibrant Baby Scale

DUST & SPLASH PROOF



SPECIFICATIONS

*Make	TAJ INSTRUMENTS (with High Precision Weightaj Motherboard)
*Max Capacity	30Kg
*e/Accuracy	5g
*Baby Tray	ABS Virgin Plastic
*Baby Tray / Bowl Dimension	533x304mm (Length:21" inch Width: 12" inch)
*Complete Body	Virgin ABS Plastic Body
*Load Cell	Single Point Off Center 130mm TT LC
*Display	0.56" Indian Green Led Display(front/back both side)
*Battery	6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
*Calibration	External (by standard reference weight)
*Tare Range	25% of Capacity
*Zero Adjustment	Manual Zero
*Power Supply	230V AC ±10%, 50Hz
*Power Consumption	Low Power Consumption Design
*Operating Temperature	0°C to +45°C
*Humidity	Up to 85% RH, Non-Condensing

HIGH PRECISION
Accurate & Reliable Weighing

DURABLE DESIGN
Strong ABS Body & Virgin Plastic Tray

LONG BATTERY BACKUP
20-24 Hours Continuous Use

*Call For Product Inquiry: 8511201789 / 9328511234

*Website: www.tajinstruments.in / www.tajinstruments.com

Location, Rajkot, Gujarat

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MFG.BY: **TAJ INSTRUMENTS-INDIA**

Item: ECONOMY 2in1 Adult Cum Baby Weighing Scale-200Kg



0.56" GREEN LED DISPLAY



SPECIFICATIONS

Capacity	30/200Kg
Accuracy	10g/100g(dual) (upto 30kg it shows in 10g accuracy, after 30kg till 200kg it shows in 100g accuracy)
Platter Size	500×500mm (20"×20")
Platform Structure	32mm MS Pipe Structure with Steel Top Plate
Baby Tray	ABS Virgin Plastic
Baby Tray / Bowl Dimension	533x304mm (Length:21" inch Width: 12" inch)
Main Indicator Display	0.56" Bright Green Led Display
Weighing Indicator Outer Body	Steel Body with MS Base Plate
Battery	6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)

Calibration	External (by standard reference weight)
Tare Range	25% of Capacity
Zero Adjustment	Manual Zero
Power Supply	230V AC ±10%, 50Hz
Power Consumption	Low Power Consumption Design
Operating Temperature	0°C to +45°C
Humidity	Up to 85% RH, Non-Condensing

USED IN HOSPITALS FOR ADULT CUM BABY WEIGHING

ADULT WEIGHING



- High weight capacity up to 200Kg
- Durable MS pipe structure for long lasting use
- Accurate & reliable results
- Bright Green LED display for easy reading

BABY WEIGHING



- Special ABS Virgin plastic tray for baby weighing
- Safe, hygienic & comfortable
- Easy to remove and clean tray
- Perfect for hospitals, clinics & maternity centers

*Call For Product Inquiry: **8511201789 / 9328511234**

*Website: **www.tajinstruments.in / www.tajinstruments.com**

Location: **Rajkot, Gujarat**

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*MSME
UDYAM
Reg.No.:GJ-20-0071966

MFG.BY:TAJ INSTRUMENTS-INDIA

Item/Model: Premium 2in1 Adult Cum Baby Weighing Scale-200Kg





Baby Weighing
Use the baby tray to weigh infants safely and comfortably.



Main Indicator
0.8" Bright Green LED



Extra Display
0.56" Green LED (Optional)

PREMIUM QUALITY WEIGHING SOLUTION

Designed for accurate and reliable weighing of both Adults and Babies with dual accuracy and professional performance.

IDEAL FOR USE IN:

- Hospitals
- Clinics
- Healthcare Centers
- Maternity Homes
- Fitness Centers
- General Weighing Applications

1 YEAR **WARRANTY ON MAIN UNIT**

*Capacity	30/200Kg
*Accuracy	10g/100g(dual) (upto 30kg it shows in 10g accuracy, after 30kg till 200kg it shows in 100g accuracy)
*Platter Size	450×550mm(18"×22")
*Platform Structure	32mm MS Pipe Structure with Steel Top Plate
*Baby Tray	ABS Virgin Plastic
*Weighing Indicator Outer Body	ABS Virgin Plastic
*Baby Tray / Bowl Dimension	533x304mm (Length:21" inch Width: 12" inch)
*Main Indicator Display	0.8" Bright Green Led Display
*Extra Detachable Display	0.56" Green Led (Optional)
*Calibration	External (by standard reference weight)
*Tare Range	25% of Capacity
*Zero Adjustment	Manual Zero
*Power Supply	230V AC ±10% , 50Hz
*Power Supply	230V AC ±10% , 50Hz
*Power Consumption	Low Power Consumption Design
*Battery	6V-4.5Amh Dry Lead Acid Auto Rechargeable (15-20hrs battery backup)
*Operating Temperature	0"C to +45"C
*Humidity	Up to 85% RH, Non-Condensing
*Approx Weight Of Complete Scale	19-20Kg

*WhatsApp Product Inquiry: +91 8511201789 / 9328511234
*Website: www.tajinstruments.in / www.tajinstruments.com
Location: Rajkot,Gujarat

WEIGH TAJ
weighing at its best

MFG. BY: TAJ INSTRUMENTS- INDIA

ITEM: WHEEL CHAIR SCALE-4 LOAD CELL HEAVY PLATFORM STRUCTURE WITH SINGLE ENDED SHEAR BEAM LOAD CELL ON EACH CORNER & ONE SIDE HEAVY RAMP

ACCURATE WEIGHING. BETTER CARE.

Designed for Hospitals, Built for Safety, Reliability & Durability.

HIGH ACCURACY
Precise & reliable weight measurement for patient safety

EASY ACCESS RAMP
Smooth entry & exit for wheelchairs

HEAVY DUTY STRUCTURE
Strong platform with 4 Load Cells for superior durability

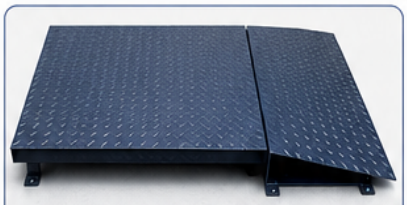
DIGITAL WEIGHING INDICATOR
High precision TI-T3-A12 indicator with advanced features

IDEAL FOR HOSPITAL USE
Designed for hospitals, clinics, rehab centers & healthcare facilities





TI-T3-A12 HIGH PRECISION WEIGHING INDICATOR



HEAVY DUTY PLATFORM WITH SIDE RAMP



SINGLE ENDED SHEAR BEAM LOAD CELL ON EACH CORNER

4 LOAD CELL HEAVY PLATFORM STRUCTURE DETAILS

CAPACITY	ACCU	PLATFORM SIZE	MS "C" CHANNEL	MS CHEKAR TOP PLATE	APPROX WEIGHT
500 KG	100g	900x1200mm	2"x4"	2.8mm	95-100Kg
1000 KG	200g	900x1200mm	2"x4"	2.8mm	95-100Kg

TECHNICAL SPECIFICATION FOR WEIGHING INDICATOR

1. GENERAL DETAILS
- Make: TAJ INSTRUMENTS
- Model: Heavy Wheel Chair Scale-4 LC with One Side Ramp & with High Precision TI-T3-A12 High Precision Weighing Indicator
- Type: Digital Weighing Indicator
- Application: Platform Scale / Floor Scale / Industrial Systems
- Usage: Industrial, Warehouse, Transport, Market, Logistics

2. ACCURACY & PERFORMANCE
- Accuracy Class: Class III (n = 3000)
- Internal Resolution: Up to 300,000
- External Counts: Up to 30,000
- A/D Conversion: High precision Sigma-Delta (Σ-Δ)
- Sampling Speed: 10 times/sec
- Input Sensitivity: ≥1μV/e

3. LOAD CELL COMPATIBILITY
- Load Cell Connection: 1 to 4 Load Cells (350Ω)
- Excitation Voltage: DC 5V / 150mA
- Input Signal Range: -10mV to 15mV
- Load Cell Type: 4-wire / 6-wire compatible

4. DISPLAY & INTERFACE
- Display Type:
  - A12: LCD Display
  - A12E: Bright LED Display
- Display Digits: 6 digits
- Status Indicators: 6–7 indication signals
- Backlight Mode: Auto / ON / OFF

5. FUNCTIONS
- Weighing
- Counting Function
- Accumulation (M+)
- Zero / Tare Function
- Auto Zero Tracking
- Digital Filtering (Anti-Vibration)
- Unit Weight Memory Protection
- Power Saving Mode
- Calibration Protection (Seal System)

6. COMMUNICATION & OUTPUT
- Interface: RS232C (Optional)
- Baud Rate: 1200 / 2400 / 4800 / 9600
- Transmission Distance:
  - RS232: Up to 30m
  - Scoreboard: Up to 50m (optional)
- Output Mode: Continuous / Command

7. POWER SUPPLY
- AC Supply: 187V – 242V, 50Hz
- Battery: 6V / 4Ah Rechargeable
- Features:
  - Low Battery Alarm
  - Auto Power Off
  - Energy Saving Mode

8. ENVIRONMENTAL CONDITIONS
- Operating Temperature: 0°C to 40°C
- Humidity: ≤85–90% RH (Non-condensing)
- Storage Temperature: -20°C to +55°C

9. MECHANICAL DETAILS
- Housing: ABS Anti-Flame Plastic Body
- Dimensions: Approx. 248 × 140 × 156 mm
- Weight: Approx. 2.2 Kg
- Keyboard: Soft Touch Keypad

10. OPTIONAL FEATURES
- KG / LB Unit Conversion
- Animal Weighing Function
- External Display / Scoreboard
- Printer / PC Connectivity
- Set Point / Relay Output

11. SPECIAL FEATURES
- High Stability with Digital Filtering
- Anti-Vibration Software
- Dual Power Operation (AC + Battery)
- Calibration Seal Protection (Legal Metrology Friendly)

12. WARRANTY
1 Year Warranty (For Main Motherboard Only)
(As per TAJ INSTRUMENTS standard policy)

*CALL FOR PRODUCT INQUIRY 8511201789 / 9328511234 *WEBSITE www.tajinstruments.in / www.tajinstruments.com

ISO 9001:2015 CERTIFIED COMPANY

CE CERTIFIED

RoHS COMPLIANT

WEIGH TAJ®
weighing at its best

Marketed By :

TAJ INSTRUMENTS-INDIA

HEXAGONAL STANDARD CAST IRON WEIGHTS

Heavy-duty hexagonal cast iron weights designed for industrial weighing, testing, and calibration applications. These weights are rugged, durable and easy to handle due to their integrated grip design.

- Duly Certified by Legal Metrology Department
- Suitable for Commercial & Industrial Verification
- Long Life with High Corrosion Resistance
- Accurate Weight Marking
- Ideal for Rough Industrial Use

DULY CERTIFIED BY LEGAL METROLOGY DEPARTMENT



20 Kg | 10 Kg | 5 Kg

AVAILABLE CAPACITY RANGE

CAPACITY	50 g	100 g	200 g	500 g	1 kg	2 kg	5 kg	10 kg	20 kg	50 kg
SHAPE	⬡	⬡	⬡	⬡	⬡	⬡	⬡	⬡	⬡	⬡

(Set combinations also available as per customer requirement)

TECHNICAL SPECIFICATIONS

PARAMETER	DETAILS
Material	High Grade Cast Iron
Shape	Hexagonal
Finish	Black Painted / Natural Finish
Marking	Embossed Capacity
Handling	Integrated Grip
Accuracy Class	As per Legal Metrology Standards
Certification	Legal Metrology Approved
Calibration	Available on Request
Surface	Anti-corrosion treated

KEY FEATURES

- Strong Hexagonal Design Prevents Rolling
- Easy Lifting with Built-in Grip
- Accurate & Durable Weight Marking
- Heavy-duty Industrial Grade Casting
- Long-lasting Performance
- Ideal for Rough Industrial Use

APPLICATIONS

- Weighbridge Testing
- Platform Scale Calibration
- Industrial Weighing Verification
- Laboratory Use (Non-precision)
- Commercial Trade Inspection

COMPLIANCE

- Duly Certified by Legal Metrology Department
- Suitable for Trade Use (as per stamping requirement)

MAKE IN INDIA

For Product Inquiry
Call or WhatsApp:
+91 8511201789

For Customized Solution
Call:
+91 9328511234

Website:
www.tajinstruments.in
www.tajinstruments.com

ISO 9001:2015 | CE CERTIFIED | RoHS COMPLIANT

सत्यमेव जयते

MSME
UDYAM REGISTERED
GJ-20-0071966

CAST IRON DEAD WEIGHT



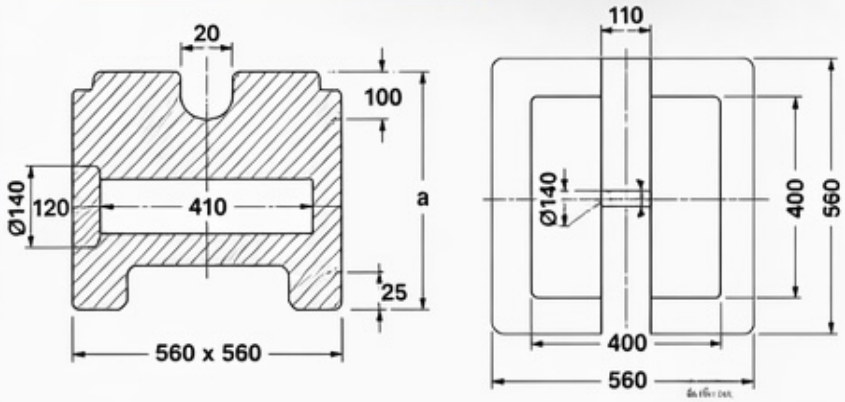
Approved By
LEGAL METEOROLOGY DEPARTMENT

CERTIFICATION:
Duly Certified By
Legal Meteorology Department

AVAILABLE CAPACITY:
- 500 Kg
- 1000 Kg

MATERIAL:
High Quality Cast Iron

TECHNICAL DRAWING & DIMENSIONS:



Capacity	a (Height)	b (Width)	c (Diameter)
500 Kg	273 mm	100 mm	Ø100 mm
1000 Kg	504 mm	120 mm	Ø140 mm

- High Accuracy & Durability
- Made From High Quality Cast Iron
- Precisely Machined & Finished
- Ideal For Industrial & Commercial Use

MFG. BY:

TAJ INSTRUMENTS-INDIA

One Stop Solution For Your Weighing Needs

Call For Bulk Inquiry: | 9328511234

www.tajinstruments.in | tajinstruments@gmail.com | Rajkot, Gujarat, India

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MSME
UDYAM REGISTERED
GJ-20-0071966

CAST IRON DEAD WEIGHT

Approved By
LEGAL METEOROLOGY DEPARTMENT



CERTIFICATION:
Duly Certified By
Legal Meteorology Department

AVAILABLE CAPACITY:
- 500 Kg
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MATERIAL:
High Quality Cast Iron

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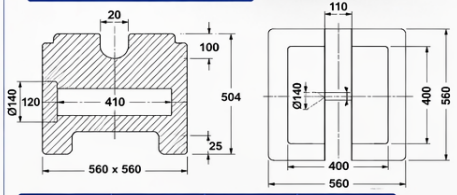

Capacity	a (Height)	b (Width)	c (Diameter)
500 Kg	273 mm	100 mm	Ø100 mm
1000 Kg	504 mm	120 mm	Ø140 mm

High Accuracy & Durability | Made From High Quality Cast Iron | Precisely Machined & Finished | Ideal For Industrial & Commercial Use

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MSME
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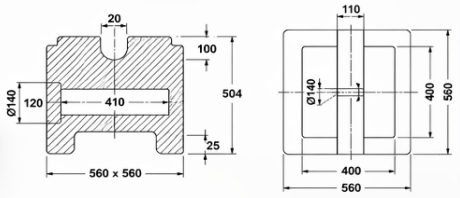
GJ-20-0071966

1000 KG CAST IRON DEAD WEIGHT



TECHNICAL DRAWING & DIMENSIONS (All Dimensions in mm):



DIMENSIONS:	
a (Height)	504 mm
b (Width)	120 mm
c (Diameter)	Ø140 mm

FEATURES:
- High Accuracy & Durability
- Precisely Machined & Finished
- Ideal For Industrial & Commercial Use
- High Quality Cast Iron

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MSME
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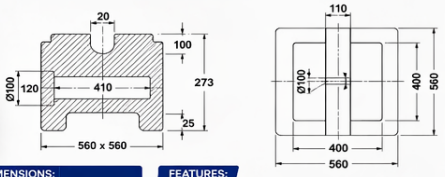
GJ-20-0071966

500 KG CAST IRON DEAD WEIGHT



TECHNICAL DRAWING & DIMENSIONS (All Dimensions in mm):



DIMENSIONS:	
a (Height)	273 mm
b (Width)	100 mm
c (Diameter)	Ø100 mm

FEATURES:
- High Accuracy & Durability
- Precisely Machined & Finished
- Ideal For Industrial & Commercial Use
- High Quality Cast Iron

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GJ-20-0071966

MS STANDARD WEIGHTS

Approved By
LEGAL METEOROLOGY DEPARTMENT



CERTIFICATION:

Duly Certified By
Legal Meteorology Department

AVAILABLE CAPACITY:

- 500 Kg, 1 Ton

DIMENSION:

- **500 Kg:**
  1.5 ft x 1.5 ft x 2 ft
- **1000 Kg:**
  2 ft x 2 ft x 2.5 ft

High Accuracy & Durability

Made From High Quality MS

Precisely Machined & Finished

Ideal For Industrial & Commercial Use

MFG. BY:

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One Stop Solution For Your Weighing Needs

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WEIGH TAJ
weighing at its best

Marketed By:
TAJ INSTRUMENTS-INDIA

SS 304 STANDARD CALIBRATION WEIGHTS
F1 / F2 / M1 CLASS

Duly Certified by NABL or Legal Metrology Department
(As per Customer Requirements)







AVAILABLE INDIVIDUAL WEIGHTS

• 1 g	• 50 g	• 2 kg
• 2 g	• 100 g	• 5 kg
• 5 g	• 200 g	• 10 kg
• 10 g	• 500 g	• 20 kg
• 20 g	• 1 kg	• 50 kg

CALIBRATION WEIGHT BOX SETS

• 1 mg to 500 mg (11 pcs set)	– Wooden Box
• 1 mg to 200 g (22 pcs set)	– Wooden Box
• 1 mg to 200 g (23 pcs set)	– Aluminium Box
• 1 mg to 500 g (24 pcs set)	– Wooden Box
• 1 mg to 1 kg (25 pcs set)	– Wooden Box

TECHNICAL SPECIFICATIONS

Material	:	SS 304 Stainless Steel (Non-Magnetic, Corrosion Resistant)
Accuracy Class	:	F1 / F2 / M1 (As per OIML Standards)
Surface Finish	:	Mirror Polished / Satin Finish
Density Stability	:	High Stability for Precision Calibration
Marking	:	Laser Engraved Capacity Identification
Design	:	Cylindrical Knob Type & Precision Small Weights
Calibration	:	Optional NABL Calibration Certificate Available

APPLICATIONS

- Laboratory Calibration
- Pharmaceutical Industry
- Jewellery & Bullion Testing
- Industrial Weighing Systems
- Quality Control Labs
- Educational Institutes



KEY FEATURES

- High Precision Accuracy
- Long-Term Stability
- Rust-Free & Durable
- Legal Metrology Approved
- Available in Full Range (mg to kg)
- Premium Wooden / Aluminium Storage Box

For Product Inquiry
Call or WhatsApp:
+91 8511201789

For Customized
Solution Call:
+91 9328511234

Location:
Rajkot, Gujarat

Website: www.tajinstruments.in / www.tajinstruments.com

WEIGH TAJ®
weighing at its best

CERTIFIED ISO 9101:205 COMPANY

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MFG.BY: TAJ INSTRUMENTS-INDIA

SS 304 STANDARD CALIBRATION WEIGHT BOX / CARRYING CASE



3 TYPES OF BOXES – ABS, WOODEN & ALUMINUM

Precision crafted storage solution for safe & secure transportation of standard calibration weights. Built with premium materials to ensure durability, protection and professional presentation.

- **Durable Construction**
- **Secure Protection**
- **Professional Finish**
- **Easy to Carry & Handle**

ABS BOX



FEATURES

- High quality ABS material
- Lightweight & impact resistant
- Moisture & corrosion resistant
- Ideal for standard weight protection
- Available in various sizes

SPECIFICATIONS

Material	ABS
Inner Lining	EVA Foam
Colors	White
Closure	Screw Type
Usage	Standard Weight Storage
Sizes Available	Multiple Sizes

WOODEN BOX



FEATURES

- Premium quality pine wood
- Elegant natural finish
- Sturdy & durable construction
- Soft inner lining for weight safety
- Classic design with secure latch

SPECIFICATIONS

Material	Pine Wood
Inner Lining	EVA Foam
Colors	Natural Wood
Closure	Metal Latch
Usage	Standard Weight Storage
Sizes Available	Multiple Sizes

ALUMINUM BOX



FEATURES

- Heavy duty aluminum body
- Strong, durable & rust proof
- Foam lining for extra protection
- Professional look with secure lock
- Ideal for industrial & laboratory use

SPECIFICATIONS

Material	Aluminum
Inner Lining	EVA Foam
Closure	Lock with Latch
Usage	Standard Weight Storage
Sizes Available	Multiple Sizes

- Protects weights from damage, dust & moisture
- Ensures safe handling & easy transportation
- Available in different sizes as per requirement
- Custom lining & branding available on request

Call For Product Inquiry: 8511201789 / 9328511234

Website: www.tajinstruments.in / www.tajinstruments.com

Location: Rajkot, Gujarat

PHOENIX® DRONES

MKTG.BY:
TAJ INSTRUMENTS-INDIA

Smart Technology • Better Farming • Higher Profit

ISO 9001:2015 CERTIFIED COMPANY | CE | RoHS

DGCA CERTIFIED

TYPE CERTIFICATE NO.
T052600000094/00

SMART TECHNOLOGY FOR SMART FARMERS

ADVANCED AGRICULTURAL DRONE

NADR-10 L 10 LITER PAYLOAD HEXACOPTER DRONE

- ✔ Advanced Technology for Higher Productivity & Profits
- ✔ Precise Spraying • Saves Time & Labour
- ✔ Reduces Cost • Increases Crop Yield
- ✔ Promote Safe & Healthy Farming

MADE IN INDIA



IDEAL FOR

- FARMERS
- FPOs & CHCs
- AGRI SERVICE PROVIDERS
- SUGAR MILLS
- TEA & COFFEE ESTATES
- GOVT. AGRICULTURE DEPARTMENTS
- CUSTOM HIRING CENTERS
- PESTICIDE DEALERS
- NGOs & AGRI PROJECTS

10 LITRE TANK CAPACITY | UNIFORM & EFFICIENT SPRAYING | HIGH CAPACITY LITHIUM BATTERY | STABLE FLIGHT & SMART NAVIGATION | STRONG & DURABLE FRAME

WHERE CAN YOU USE?

Perfect for all types of crops & plantations



WHAT CAN YOU SPRAY?

One Drone – Many Solutions

- Insecticides
- Bio Fertilizers
- Fungicides
- Plant Growth Regulators
- Herbicides (Weedicides)
- Nano Fertilizers
- Liquid Fertilizers
- Organic Liquid Solutions
- Micronutrients
- Desiccants

BENEFITS FOR FARMERS

- **Saves up to 80% Time** — Spray 1 acre in just 6–8 minutes.
- **Saves Labour & Effort** — 1 operator can do the work of 8–10 labourers.
- **Saves 20–40% Chemical Cost** — Precise spraying, no wastage.
- **Uniform Spraying, Better Results** — Every leaf gets the right dose.
- **Increases Crop Yield** — Better crop health, higher productivity.
- **Protects Farmers from Chemicals** — Zero direct contact with harmful chemicals.
- **Less Water Consumption** — Uses less water for same area.
- **Covers More Area in Less Time** — Finish large fields quickly.
- **Easy to Use & Operate** — Simple controls & mobile app.
- **Eco Friendly Farming** — Reduces pollution & protects environment.

HOW IT WORKS – SIMPLE, SMART & EASY



SAFE FOR YOU & YOUR CROP



- Keeps farmers away from harmful chemicals
- Uniform coverage without over-spraying
- Reduces operator fatigue & health risks
- Stable flight even in difficult terrains
- Emergency Return-to-Home for extra safety
- Low noise, safe for humans, animals & environment

KEY SPECIFICATIONS

Model	NADR-10 L
Type	Hexacopter Agricultural Drone
Tank Capacity	10 Liters
Total Weight (with full load)	30.15 Kgs
Flight Time	Up to 23 Minutes (Full Charge)
Battery	2 x 25300 mAh Lithium Ion
Charging Time	Up to 25 Minutes
Range	Upto 1.5 Kms
Flight Height	30 m
Spray Width	4 – 6 Meters (Approx)
Operation Mode (RTH)	Yes (Automatic)
Working Temperature	0°C to 40°C

IN THE BOX



WHY CHOOSE PHOENIX DRONES?

- ✔ 100% Indian Make
- ✔ Strong After Sales Service
- ✔ Easy Spare Availability
- ✔ Farmer Friendly Technology
- ✔ Training & Support Provided
- ✔ Best Performance in All Conditions
- ✔ Trusted by Thousands of Farmers

TRAINING, SUPPORT & WARRANTY

- Hands-on Training
- Field Demonstration
- Spare Parts Support
- Technical Assistance
- PAN India Service Network

1 YEAR WARRANTY
(Main Motherboard Only)

DRONE FARMING – MORE PROFIT, LESS EFFORT!



CALCULATE YOUR SAVINGS (Example for 1 Acre)

MANUAL SPRAYING	VS	DRONE SPRAYING
10 Labourers		1 Operator
1 Full Day		8 Minutes
High Chemical Use		20–40% Chemical Save
High Water Use		Less Water Use
High Cost		Low Cost

SAVE TIME • SAVE MONEY • SAVE CHEMICAL • INCREASE YIELD

+91 85112 01789
+91 93285 11234
www.tajinstruments.in / www.tajinstruments.com
sales@tajinstruments.in
Gujari Bazar Main Road,
Near Kansara Bazar,
RAJKOT – 360001 (Gujarat) INDIA

PHOENIX™

Your Sky Partner





NADR-10 L

MADE IN INDIA

"Revolutionize farming with advanced agricultural drones!"

Medium category hexacopter drone, specially designed for spraying fertilizers, pesticides etc., ideal for agricultural use.

Features :

- Tank capacity : 10 liters.
- Total weight : 30.15 kgs with full load.
- 1 acre of field can be sprayed in 6 minutes.
- Comes with one set of 2 x 25200 mAH Lithium Ion batteries. Works for upto 23 minutes on full charge.
- Range – upto 1.5 kms. ❖ Flight height – 70 m. ❖ Flight speed – 8 m/s.
- Set the path and enable auto mode flying.
- RTH (Return-To-Home) technology enables automatic return of drone to start position, when battery is low.

Advantages of using Drones in Agriculture :

- **Precision Spraying :** Drones equipped with spraying systems can apply fertilizers and pesticides with high accuracy, targeting specific areas and reducing chemical usage. Drones can also spray fertilizers on taller plants and trees with ease and accuracy.
- **Lesser time and cost :** Drones cover large areas quickly, reducing the need for manual inspections and saving significant time and labour costs. It is observed that use of fertilizers reduces by upto 40% if sprayed through drones.
- **Less damage to ecology :** Reduces the overuse of chemicals, minimizing the environmental impact and promoting sustainable farming practices.

DGCA CERTIFIED

TYPE CERTIFICATE NO.
T05260000094/00


NEW LAUNCH
PHOENIX®
DRONES

WEIGH TAJ
weighing at its best

CERTIFIED ISO 9001:2015 COMPANY

CE

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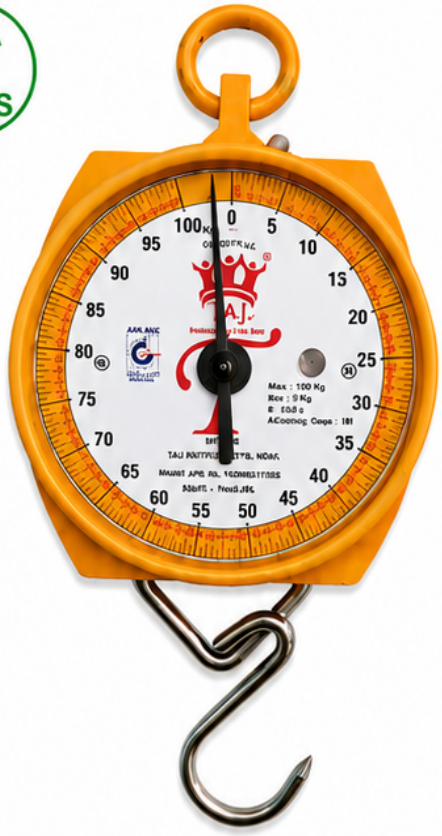
MFG.BY: TAJ INSTRUMENTS-INDIA

Model: TI-CB-6M-
HANGING CIRCULAR/
SUSPENDED SPRING BALANCE



This product mainly use in agriculture, fishers and small industrial use

PRODUCT DESCRIPTION

TI-CB-6M Hanging Circular/Suspended Spring Balance is a reliable and accurate weighing instrument designed for a wide range of applications. It is widely used in agriculture, fisheries, small industries, warehouses, domestic use, luggage weighing, hunting and other general-purpose weighing tasks.

Built with a strong aluminum die-cast body and precision-engineered spring mechanism, it ensures long-lasting performance and consistent accuracy even in tough working conditions.

USES & BENEFITS

- **Agriculture:** Weighing grains, fertilizers, seeds, fruits, vegetables, and livestock feed
- **Fisheries:** Weighing fish, prawns, nets and other aquatic products
- **Industrial:** Weighing raw materials, components, tools and packed goods
- **General Use:** Luggage weighing, parcels, hunting items and household applications

- **Make:** TAJ INSTRUMENTS
- **Model:** TI-CB-6M-Circular/Suspended Dial Spring Balance
- **Outer Body / Material:** Aluminum Die Cast
- **Body Color Combination:** METALIC COLOR COATED Body in Brown, Red, Yellow Assorted Color and Ring as per body color
- **Dial:** 6" inch
- **Outer Box:** 4 color printed box
- **Net / Gross Weight:** 1.1 Kg / 1.220 Kg

Max Capacity	Accuracy (e)
150Kg	1Kg
100Kg	500g
50Kg	200g
25Kg	100g

EXAMPLE USAGE: COTTON WEIGHING IN FARMERS



Accurate cotton weighing for fair trade and better farming results.

LIVE EXAMPLES OF USING

AGRICULTURE



Weighing sacks of wheat, rice, fertilizers or animal feed before storage or transport.

FISHERIES



Weighing the daily catch of fish or prawns at the dock before selling.

INDUSTRIAL



Checking the weight of incoming raw materials or packed cartons in warehouses.

MARKET / SHOP



Weighing fruits, vegetables, pulses or other bulk items in shops and wholesale markets.

LUGGAGE



Weighing luggage before boarding to avoid extra baggage charges.

HUNTING / OUTDOOR



Weighing hunting game or outdoor equipment quickly and accurately.

HIGH ACCURACY — Consistent & reliable readings

STRONG HOOK — Heavy duty hook for safe & secure use

DURABLE BODY — Aluminum die-cast body for long life

EASY TO USE — Simple operation, no power required

LIGHTWEIGHT — Portable and easy to carry anywhere

FOR PRODUCT INQUIRY CALL:
8511201789
9328511234

WEBSITE:
www.tajinstruments.com
www.tajinstruments.in

LOCATION:
Rajkot, Gujarat

WEIGH TAJ
weighing at its best

CERTIFIED ISO 9001:2015 COMPANY

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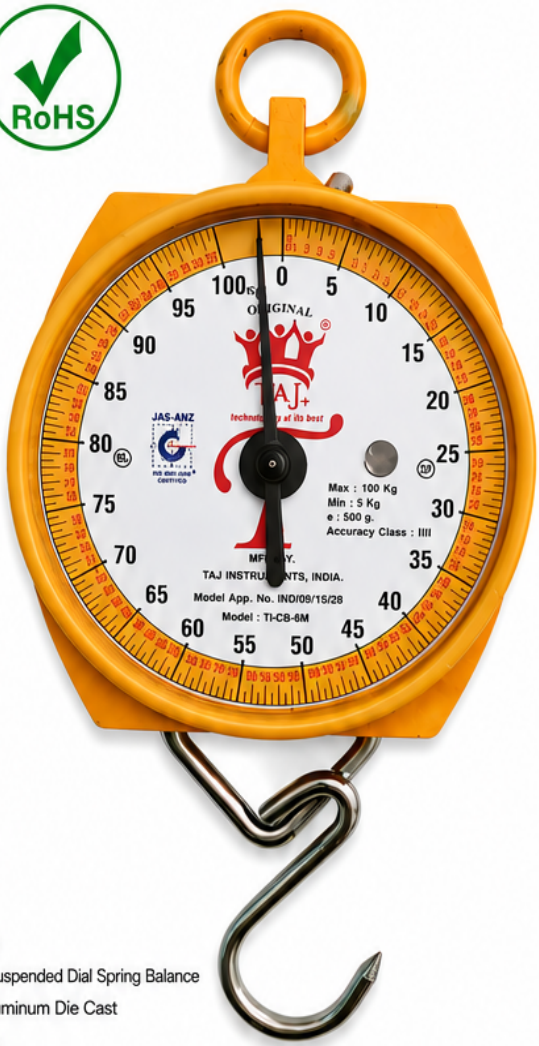
MFG.BY: TAJ INSTRUMENTS-INDIA

Model: TI-CB-6M-
HANGING CIRCULAR/
SUSPENDED SPRING BALANCE



This product mainly use in agriculture, fishers and small industrial use

PRODUCT DESCRIPTION

TI-CB-6M Hanging Circular/Suspended Spring Balance is a reliable and accurate weighing instrument designed for a wide range of applications. It is widely used in agriculture, fisheries, small industries, warehouses, domestic use, luggage weighing, hunting and other general-purpose weighing tasks.
Built with a strong aluminum die-cast body and precision-engineered spring mechanism, it ensures long-lasting performance and consistent accuracy even in tough working conditions.

USES & BENEFITS

- **Agriculture:** Weighing grains, fertilizers, seeds, fruits, vegetables, and livestock feed
- **Fisheries:** Weighing fish, prawns, nets and other aquatic products
- **Industrial:** Weighing raw materials, components, tools and packed goods
- **General Use:** Luggage weighing, parcels, hunting items and household applications

- **Make:** TAJ INSTRUMENTS
- **Model:** TI-CB-6M-Circular/Suspended Dial Spring Balance
- **Outer Body / Material:** Aluminum Die Cast
- **Body Color Combination:** METALIC COLOR COATED Body in Brown, Red, Yellow Assorted Color and Ring as per body color
- **Dial:** 6" inch
- **Outer Box:** 4 color printed box
- **Net / Gross Weight:** 1.1 Kg / 1.220 Kg

Max Capacity	Accuracy (e)
150Kg	1Kg
100Kg	500g
50Kg	200g
25Kg	100g

LIVE EXAMPLES OF USING

AGRICULTURE



Weighing sacks of wheat, rice, fertilizers or animal feed before storage or transport.

FISHERIES



Weighing the daily catch of fish or prawns at the dock before selling.

INDUSTRIAL



Checking the weight of incoming raw materials or packed cartons in warehouses.

MARKET / SHOP



Weighing fruits, vegetables, pulses or other bulk items in shops and wholesale markets.

LUGGAGE



Weighing luggage before boarding to avoid extra baggage charges.

HUNTING / OUTDOOR



Weighing hunting game or outdoor equipment quickly and accurately.

HIGH ACCURACY
Consistent & reliable readings

STRONG HOOK
Heavy duty hook for safe & secure use

DURABLE BODY
Aluminum die-cast body for long life

EASY TO USE
Simple operation, no power required

LIGHTWEIGHT
Portable and easy to carry anywhere

FOR PRODUCT INQUIRY CALL:
8511201789
9328511234

WEBSITE:
www.tajinstruments.com
www.tajinstruments.in

LOCATION:
Rajkot, Gujarat

WEIGH TAJ
weighing at its best

CERTIFIED ISO 9001:2015 COMPANY

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RoHS

MFG.BY:TAJ INSTRUMENTS-INDIA

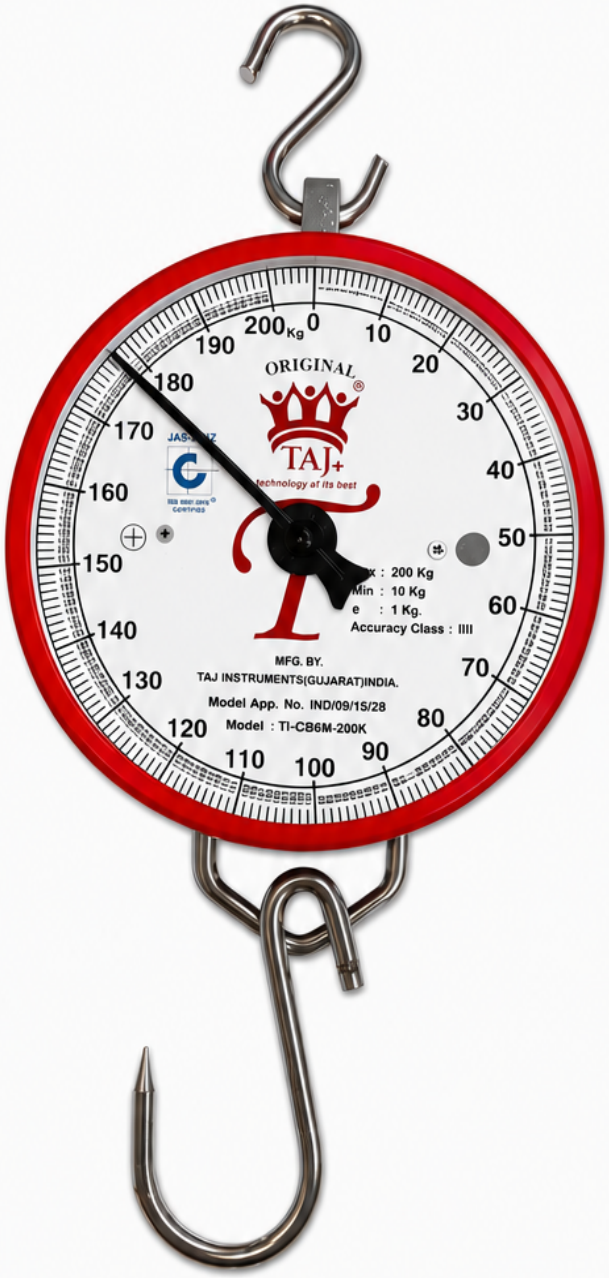
Model:TI-CB-6M-Hanging Circular/Suspended Spring Balance

PRODUCT OVERVIEW

The TI-CB-6M Hanging Circular/Suspended Spring Balance is a reliable and durable weighing instrument designed for accurate and consistent performance in various applications. Built with high quality material and precision engineering, it ensures long service life and easy operation even in rugged environments.

USES & APPLICATIONS

- **Forest Timber Weighing:**
  Ideal for weighing logs and timber in forestry operations.
- **Green Grass Weighing:**
  Used in forests and farms to weigh harvested grass and fodder.
- **Agriculture Use:**
  Suitable for weighing fruits, vegetables, grains, seeds, and other farm produce.
- **Small Industrial Use:**
  Can be used in small industries, workshops, warehouses, and packaging units for general weighing.



BENEFITS

- ✓ High accuracy and reliability
- ✓ Easy to use and portable
- ✓ Strong and durable construction
- ✓ Suitable for multiple environments
- ✓ Cost-effective and long-lasting
- ✓ Low maintenance

SPECIFICATIONS

*Make	TAJ INSTRUMENTS
*Model	TI-CB-6M-Circular/ Suspended Dial Spring Balance
*Max Capacity	**200Kg**
*e/Accuracy	**1Kg**
*Outer Body / Material	Aluminum Die Cast
*Body Color Combination	Silver Gray
*Dial	**8" inch**
*Outer Box	Plain Corrugated Box

USAGE APPLICATIONS


Forest Timber Weighing


Green Grass Weighing


Agriculture Use


Small Industrial Use

For Product Inquiry Call:
8511201789/9328511234

Website:
www.tajinstruments.com
www.tajinstruments.in

Location:
Rajkot, Gujarat

100% INDIAN MAKE
MAKE IN INDIA

MFG. BY: TAJ INSTRUMENTS-INDIA

MODEL: TICB-6S-DIGI-ECONOMY – DIGITAL HANGING SCALE



SPECIFICATIONS

• Item	:	Digital Hanging Scale
• Outer Body	:	Aluminium Die Cast
• Actual Net Weight	:	1.400 Kg (Approx)
• Application of Use	:	50Kg Model – LPG Gas Cylinder Delivery 150Kg Model – Agriculture, Scrap Collection, Small Industrial Use
• Load Cell	:	Aluminium Small Rectangular High Precision Load Cell
• Display	:	0.56" Green LED Display (Front Only)
• Battery	:	Lithium 3.7V – 2000 mAh (Auto Rechargeable) Backup: 10–15 Hours
• Hook System	:	Upper – "T" Type Handle (For 50Kg Model) Bottom – "S" Type MS Hook (As per image)
• Calibration	:	External (By Standard Reference Weight)
• Tare Range	:	Up to 25% of Capacity
• Zero Adjustment	:	Manual Zero
• Power Supply	:	230V AC ±10%, 50Hz with Built-in Rechargeable Battery
• Power Consumption	:	Low Power Consumption Design
• Operating Temperature	:	0°C to +45°C
• Humidity	:	Up to 85% RH, Non-Condensing

CAPACITY TABLE

Max Capacity	Accuracy (e)
50 Kg	10 g
150 Kg	20 g

LOAD CELL DETAILS

High Precision Aluminium Load Cell



- ✓ Compact Rectangular Design
- ✓ Stable & Accurate Output
- ✓ Suitable for Hanging Applications
- ✓ Long Life Performance

Proudly
100% Indian Made
Built for Performence. Made for India.

Call For Product Inquiry:
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★ MSME UDYAM Reg.No.: GJ-20-0071966 ★

MFG.BY: TAJ INSTRUMENTS-INDIA

MODEL: PORTABLE DIGITAL HANGING WEIGHING SCALE – TI-CB-6M-DIGI-ECO



TECHNICAL SPECIFICATIONS

• Make:	TAJ INSTRUMENTS
• Model:	Portable Digital Hanging Weighing Scale – TI-CB-6M-DIGI-ECO
• Outer Body:	Aluminium Die Cast Body
• Front Display:	0.56" Green LED Display
• Battery:	Inbuilt–Lithium 3.7V or Lead Acid Auto Rechargeable 4V-2Ah (Backup Time: 10–15 Hrs)
• Hook:	Upper Side Round Hook & In Bottom Side "J" Type Hook
• Load Cell:	Small Single Point Off Center Hanging LC
• Calibration:	External (by standard reference weight)
• Tare Range:	25% of Capacity
• Zero Adjustment:	Manual Zero
• Power Supply:	230V AC ±10%, 50Hz
• Power Consumption:	Low Power Consumption Design
• Operating Temperature:	0°C to +45°C
• Humidity:	Up to 85% RH, Non-Condensing
• Approx. Weight Of Scale:	1.400Kg to 1.500Kg

IDEAL FOR GOVERNMENT SUPPLY, ANGANWADI PROJECTS, AGRICULTURAL & INDUSTRIAL WEIGHING APPLICATIONS

NOTE: This Model We Supply only in bulk quantity only for tenders or government supply purpose only.

AVAILABLE CAPACITY

Max Capacity	e / Accuracy
50 Kg	10 g
100 Kg	20 g

WhatsApp Product Inquiry:
8511201789 / 9328511234

Website:
www.tajinstruments.in
www.tajinstruments.com

Location: Rajkot, Gujarat

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9001:2015

MFG. BY: **TAJ INSTRUMENTS-INDIA**

MODEL: TICB-6M DIGI-ECO DIGITAL HANGING WEIGHING SCALE

Industrial Heavy Duty Hanging Scale



SPECIFICATIONS

- **Make:** TAJ INSTRUMENTS (100% Indian Make)
- **Model:** TICB-6M DIGI-ECO
- **Outer Body:** Aluminium Die-Cast Body
- **Display:** 0.56" GREEN LED (0.000 Format)
- **Battery:** 4V Rechargeable (Backup: 10–15 Hours)
- **Hook:** Upper "S" Hook & Bottom Heavy "J" Hook
- **Calibration:** External
- **Tare Range:** 25% of Capacity
- **Power Supply:** 230V AC ±10%, 50Hz
- **Operating Temperature:** 0°C to +45°C
- **Humidity:** Up to 85% RH (Non-Condensing)

CAPACITY & ACCURACY

Max Capacity	Accuracy (±)
50 Kg	10 g
50 / 150 Kg	10 / 20 g
200 Kg	50 g

APPLICATIONS

AGRICULTURAL USE
Vegetable & Grain Weighing

INDUSTRIAL USE
Parts & Material Weighing

FABRICATION USE
Scrap & Metal Weighing

FOR PRODUCT INQUIRY
CALL / WHATSAPP
+91 8511201789
+91 9328511234

WEBSITE
www.tajinstruments.in
www.tajinstruments.com

LOCATION
Rajkot, Gujarat

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MFG. BY: TAJ INSTRUMENTS-INDIA

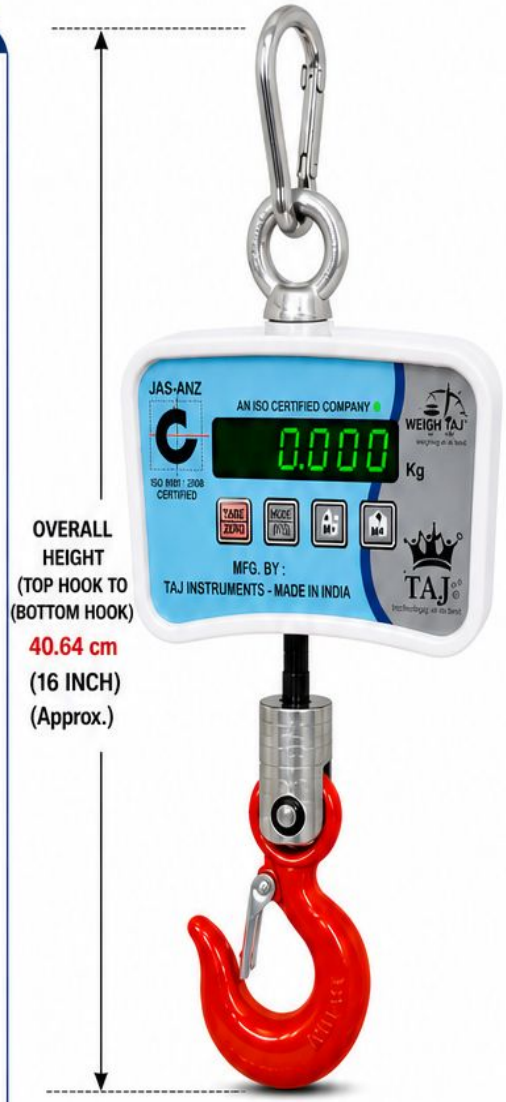
TI-MINI CRANE SCALE
with "S" Type Sensor

1 YEAR WARRANTY
(Motherboard Only)

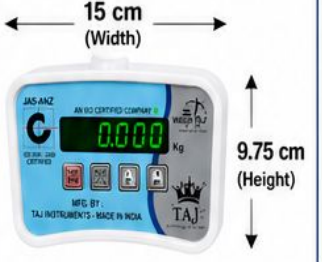
MADE IN INDIA

FEATURES & SPECIFICATIONS

- **Make: TAJ INSTRUMENTS**
  (with WeighTaj High Precision Motherboard)
- **Outer Body:**
  Virgin ABS Plastic Body
- **Load Cell:**
  "S" Type – Best for Hanging Applications
- **Flexible Moveable Hooks**
- **Display:**
  0.56" Indian Green LED Display
- **Battery:**
  4V-2.5Ah Sealed Lead Acid
  (Auto Rechargeable)
  (Backup: 10–15 hrs)
- **Calibration:**
  External (Standard Weight)
- **Tare Range:**
  25% of Capacity
- **Zero Adjustment:**
  Manual Zero
- **Power Supply:**
  230V AC ±10%, 50Hz
  Built-in Rechargeable Battery Backup
- **Power Consumption:**
  Low Power Consumption Design
- **Operating Temperature:**
  0°C to +45°C
- **Humidity:**
  Up to 85% RH, Non-Condensing



ABS DISPLAY BOX DIMENSIONS



LOAD CELL "S" TYPE SENSOR



High Accuracy Hanging Application Design

CAPACITY TABLE

Max Capacity	Accuracy (e)
300 Kg.	50 g
500 Kg.	100 g

PRODUCT DIMENSIONS

Height (Body Only)	:	~32 cm (Approx.)
Width (Body)	:	~15 cm (Approx.)
Depth (Body)	:	~8 cm (Approx.)
Hook Length	:	~14 cm (Approx.)
Overall Height (Top Hook to Bottom Hook)	:	~40.64 cm (16 INCH) (Approx. ~41 cm)

*Call For Product Inquiry: 8511201789

*Call For Customized Solutions: 9328511234

*Website: www.tajinstruments.in / www.tajinstruments.com

Location: Rajkot, Gujarat

MSME UDYAM Reg.No.: GJ-20-0071966

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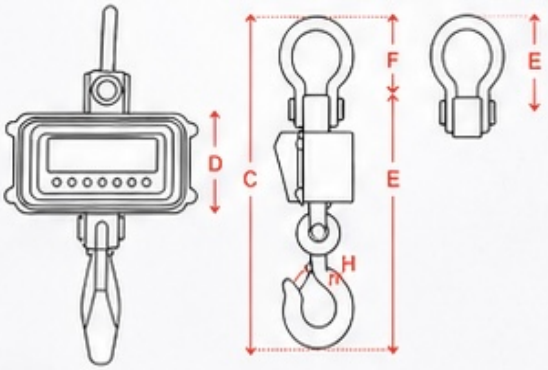
MFG. BY: TAJ INSTRUMENTS-INDIA

MINI INDUSTRIAL CRANE WEIGHING SCALE

- Robust, Compact, light weight Design
- High Accuracy, Bright red LED display
- With IR Remote
- Rugged cast aluminum casing





IR REMOTE

DIMENSIONS & TECHNICAL DRAWINGS

Capacity	Mini Industrial Crane Weighing Scale					
	D	C	E	F	H	G
500Kg-100g	177	94	98	980	94	33
1Ton-100g	177	94	98	1,5K	1,5K	50
2Ton-200g	177	94	98	1,6K	1,6K	50
3Ton-500g	177	94	98	1,9K	1,9K	50

* Dimensions may vary sightly.
* Minor design changes are subject to Taj Instruments discretion

TECHNICAL SPECIFICATION

- Capacity: 100KG TO 3TON
- Heavy Duty Hooks Available in 1T , 2T & 3T
- High Brightness Green LED Display
- Rotation 360° Stainless Steel Hook & Shackle
- Rugged Cast Aluminum Housing
- Easy to Read LED Display
- Hand Held IR Remote Control
- Strong Hand Enclosure for Protection
- Power Saving mode

Small Cast Iron Foundry

Melting & Pouring Operations

Furnace & Heat Exposed Areas (Upto 90–100°C)

Workshop & Heavy Industry

Material Handling

Call For Product Inquiry :
+91 8511201789 / +91 9328511234

Address:
Gujari Bazar Main Road,
Nr.Kansara Bazar,

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MFG.BY: TAJ INSTRUMENTS-INDIA

TI-(HEAVY) MINI CRANE SCALE with "S" Type Sensor

The Perfect Weighing Solution for Small Fabrication & Industrial Use





LOAD CELL DETAILS

S TYPE LOAD CELL

- High Precision
- High Overload Protection
- Corrosion Resistant
- Best for Hanging Applications



CAPACITY & ACCURACY

Max. Capacity	Accuracy (e)
1000 Kg.	100 g
1500 Kg.	200 g

- **Make: TAJ INSTRUMENTS** (with WeighTaj High Precision Motherboard)
- **With IR Remote** (Optional) (For Operating Tare / Zero Function)
- **Outer Body:** Heavy Alluminuim Die Cast Body
- **Load Cell:** "S" Type Best For Hanging Applications
- **Front Display:** 0.8" Indian Green Led Display
- **Back Display:** 0.56" Indian Green Led Display
- **Battery:** 6V-4.5Ah Sealed Lead Acid Battery (Auto Rechargeable) (Battery Backup-20-24hrs)
- **Calibration:** External (by standard reference weight)

TECHNICAL SPECIFICATIONS

Tare Range	:	25% of Capacity
Zero Adjustment	:	Manual Zero
Power Supply	:	230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
Power Consumption	:	Low Power Consumption Design
Operating Temperature	:	0°C to +45°C
Humidity	:	Up to 85% RH, Non-Condensing

USAGE APPLICATIONS


FABRICATION WORKS


MATERIAL HANDLING


MACHINE LIFTING


SMALL INDUSTRIAL USE

*Call For Product Inquiry: 8511201789

*Call For Customized Solutions: 9328511234

*Website: www.tajinstruments.in www.tajinstruments.com

Location: Rajkot, Gujarat

Mfg By

TAJ INSTRUMENTS

(Formerly Since 1972 Known As National Stores)
Retail Outlet & Correspondence Address
Gujari Bazar Main Road, Near Kansara Bazar, Rajkot-360001 (Gujarat)

Website:www.tajinstruments.in
Business WhatsApp & Call:9328511234

Sales Inquiry : +91-85112 01789
For Service : +91-93285 21234





Industrial Digital Crane Weighing Scale with Sheet Metal Cabinet

Model	Capacity (in Kg)	e. Value (in Kg)	No. Sub Division	Dimension								Net Weight (in Kg)
				A	B	C	D	E	F	G	H	
TICS-2T	2000	1	2000	210	155	220	565	122	68.5	50	43	13.2
TICS-3T	3000	1	3000	210	155	220	565	122	68.5	50	43	13.2
TICS-5T	5000	2	2500	210	155	220	665	139	74	65	55	19.0
TICS-10T	10000	5	2000	210	155	220	760	171	92	80	65	29.0
TICS-15T	15000	5	3000	210	155	220	830	187	98.5	80	65	36.0
TICS-20T	20000	5	4000	300	200	275	1000	235	127	100	85	85.0
TICS-30T	30000	10	3000	300	200	275	1100	258	146	127	117	115
TICS-50T	50000	20	5000	460	317	480	1450	310	233	160	130	340
TICS-100T	100000	50	2000	475	248	375	1660	475	225	175	165	470

Note : 150Ton & 200Ton Also available on demand.

Specification

Class	III
Display	5 Digit 30mm (1.2"), 45mm (1.8") RED
Setting Time	5-8s
Control Distance	≤ 20m
Lead Acid Battery	Rechargable 6V / 4.2Ah or 12V / 7Ah
Tare Range	100% F.S.
Over Load	110%F.S.
Safe Overload	125%F.S.
Display	LED (RED, GREEN)
Work	-10° C~ +F40° C

Additional Accessories



Note : Crane Scale supplied with 2 battery and 1 IR remote.

Features

- New : New design PCB and longer standby time
- Quick : Integral design of load cell, quick, accurate, stable weighing
- Good : High quality rechargeable battery and impact resistant MS Powder Coated body
- Stable : Perfect software, never system halted
- Faction : Patent Design
- Ease of USE : Convenient remote controller

Taj Instruments reserves the rights to improve, enhance or modify features and specifications without prior notice.

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INDUSTRIAL DIGITAL CRANE WEIGHING SCALE

WITH SHEET METAL CABINET



1 YEAR WARRANTY
(For Main Motherboard Only)

KEY FEATURES

- Heavy Duty Industrial Design
- Strong Sheet Metal Cabinet
- High Precision Load Cell Technology
- Bright Red LED Display (Visible from Distance)
- Wireless Remote Control Operation
- Suitable for Industrial & Outdoor Use
- Long Battery Backup

TECHNICAL SPECIFICATIONS

Make	TAJ INSTRUMENTS
Product Type	Industrial Crane Scale
Capacity Range	2 Ton to 100 Ton
Accuracy	High Precision (Model Dependent)
Display	Bright Red LED
Control Distance	Up to 20 Meter
Load Cell	Heavy Duty Load Cell
Body	Sheet Metal Cabinet
Battery	Rechargeable Battery
Power Supply	230V AC
Overload Safety	125% F.S
Working Temperature	-10°C to +40°C

CAPACITY RANGE

Model	Capacity	e. Value (in Kg)	Net Weight (in Kg)
TI-CS-2T	2000 Kg	1	13.2
TI-CS-5T	5000 Kg	2	19.0
TI-CS-10T	10000 Kg	5	29.0
TI-CS-15T	15000 Kg	5	36.0
TI-CS-20T	20000 Kg	5	85.0
TI-CS-30T	30000 Kg	10	115
TI-CS-50T	50000 Kg	20	340
TI-CS-100T	100000 Kg	50	470

* 150 Ton & 200 Ton available on demand

ADDITIONAL ACCESSORIES


Wireless Remote Control


Charger / Adapter (230V AC)


2 Rechargeable Batteries

Note : Crane scale supplied with 2 battery & 1 IR remote.

APPLICATIONS

Steel Industry | Scrap Handling | Foundry & Casting | Warehouse & Logistics | Heavy Industrial Weighing

For Product Inquiry Call or WhatsApp:
+91 8511201789
For Customized Solution Call:
+91 9328511234

Website:
www.tajinstruments.in / www.tajinstruments.com
Location:
Rajkot, Gujarat

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INDUSTRIAL DIGITAL CRANE WEIGHING SCALE

WITH SHEET METAL CABINET & WIRELESS DISPLAY



1 YEAR WARRANTY
(For Main Motherboard Only)

WIRELESS DISPLAY OPTIONS

0.8" GREEN LED DISPLAY



Wireless Display For Industrial Crane Weighing Scale

2" RED JUMBO DISPLAY



Large & Bright Display (Visible from Distance)

- Wireless Transmission (Up to 100 Meter)
- Bright LED Display (High Visibility)
- Easy to Install & Operate
- Works with All Our Crane Scales
- Auto Pairing with Crane Scale
- Long Battery Backup (AC/DC Adapter Operated)
- Stable & Accurate Performance

KEY FEATURES

- Heavy Duty Industrial Design
- Strong Sheet Metal Cabinet
- High Precision Load Cell Technology
- Bright Red LED Display (Visible from Distance)
- Wireless Display with 0.8" Green LED or 2" Red Jumbo LED
- Wireless Remote Control Operation
- Suitable for Industrial & Outdoor Use
- Long Battery Backup

CAPACITY RANGE

Model	Capacity	e. Value (in Kg)	Net Weight (in Kg)
TI-CS-2T	2000 Kg	1	13.2
TI-CS-5T	5000 Kg	2	19.0
TI-CS-10T	10000 Kg	5	29.0
TI-CS-15T	15000 Kg	5	36.0
TI-CS-20T	20000 Kg	5	85.0
TI-CS-30T	30000 Kg	10	115
TI-CS-50T	50000 Kg	20	340
TI-CS-100T	100000 Kg	50	470

* 150 Ton & 200 Ton available on demand

ADDITIONAL ACCESSORIES


Wireless Remote Control


Charger / Adapter (230V AC)


2 Rechargeable Batteries

Note : Crane scale supplied with 2 battery & 1 IR remote.

APPLICATIONS

Steel Industry | Scrap Handling | Foundry & Casting | Warehouse & Logistics | Heavy Industrial Weighing

For Product Inquiry Call or WhatsApp:
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INDUSTRIAL DIGITAL CRANE WEIGHING SCALE

WITH SHEET METAL CABINET & WIRELESS PRINTER / TICKET PRINTING



1 YEAR WARRANTY
(For Main Motherboard Only)

WIRELESS RANGE
UP TO 100 METER

WIRELESS RECEIPT / TICKET PRINTING & DISPLAY

Prints: Slip No., Date, Time, Weight

- Wireless Receipt / Ticket Printing with 0.56" Display
- Prints Slip No., Date, Time, Weight
- Easy Pairing with Crane Scale
- Clear & Fast Thermal Printing
- Strong & Durable Build Quality
- Ideal for Industrial & Outdoor Use
- Long Battery Backup (AC/DC Adapter Operated)



0.56" DISPLAY WITH THERMAL PRINTER

```
TAJ INSTRUMENTS-INDIA

Slip No. : 000123
Date     : 24/05/2025
Time     : 14:35:22
-------------------------
Weight   :    15875 kg
-------------------------
```

Sample Print Format

KEY FEATURES

- Heavy Duty Industrial Design
- Strong Sheet Metal Cabinet
- High Precision Load Cell Technology
- Bright Red LED Display (Visible from Distance)
- Wireless Printer with 0.56" Display
- Prints Slip No., Date, Time, Weight
- Wireless Remote Control Operation
- Suitable for Industrial & Outdoor Use
- Long Battery Backup

CAPACITY RANGE

Model	Capacity	e. Value (in Kg)	Net Weight (in Kg)
TI-CS-2T	2000 Kg	1	13.2
TI-CS-5T	5000 Kg	2	19.0
TI-CS-10T	10000 Kg	5	29.0
TI-CS-15T	15000 Kg	5	36.0
TI-CS-20T	20000 Kg	5	85.0
TI-CS-30T	30000 Kg	10	115
TI-CS-50T	50000 Kg	20	340
TI-CS-100T	100000 Kg	50	470

* 150 Ton & 200 Ton available on demand

ADDITIONAL ACCESSORIES


Wireless Remote Control


Charger / Adapter (230V AC)


2 Rechargeable Batteries

Note : Crane scale supplied with 2 battery & 1 IR remote.

APPLICATIONS

Steel Industry | Scrap Handling | Foundry & Casting | Warehouse & Logistics | Heavy Industrial Weighing

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Website:
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Location:
Rajkot, Gujarat

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ISO CERTIFIED COMPANY | CE | RoHS

INDUSTRIAL DIGITAL CRANE WEIGHING SCALE

WITH SHEET METAL CABINET



1 YEAR WARRANTY
(For Main Motherboard Only)

KEY FEATURES

- Heavy Duty Industrial Design
- Strong Sheet Metal Cabinet
- High Precision Load Cell Technology
- Bright Red LED Display (Visible from Distance)
- Wireless Display & Printer Available on Demand
- Wireless Remote Control Operation
- Suitable for Industrial & Outdoor Use
- Long Battery Backup (AC/DC Adapter Operated)

WIRELESS DISPLAY (ON DEMAND)

0.8" GREEN LED DISPLAY



2" RED JUMBO DISPLAY



WIRELESS RANGE
UP TO 100 METER

WIRELESS PRINTER (ON DEMAND)

Prints: Slip No., Date, Time, Weight



Wireless Printer & Display 0.56"

TAJ INSTRUMENTS-INDIA

Slip No. : 000123
Date : 24/05/2025
Time : 14:35:22

Weight : 15875 kg

CAPACITY RANGE

Model	Capacity	e. Value (in Kg)	Net Weight (in Kg)
TI-CS-2T	2000 Kg	1	13.2
TI-CS-5T	5000 Kg	2	19.0
TI-CS-10T	10000 Kg	5	29.0
TI-CS-15T	15000 Kg	5	36.0
TI-CS-20T	20000 Kg	5	85.0
TI-CS-30T	30000 Kg	10	115
TI-CS-50T	50000 Kg	20	340
TI-CS-100T	100000 Kg	50	470

* 150 Ton & 200 Ton available on demand

TECHNICAL SPECIFICATIONS

Make	TAJ INSTRUMENTS
Product Type	Industrial Crane Scale
Capacity Range	2 Ton to 100 Ton
Accuracy	High Precision (Model Dependent)
Display	Bright Red LED
Control Distance	Up to 20 Meter
Load Cell	Heavy Duty Load Cell
Body	Sheet Metal Cabinet
Battery	Rechargeable Battery
Power Supply	230V AC
Overload Safety	125% F.S
Working Temperature	-10°C to +40°C

CLEAR & FAST THERMAL PRINTING

APPLICATIONS

- Steel Industry
- Scrap Handling
- Foundry & Casting
- Warehouse & Logistics
- Heavy Industrial Weighing

ADDITIONAL ACCESSORIES (ON DEMAND)


Wireless Remote Control


Charger / Adapter (230V AC)


2 Rechargeable Batteries

Note : Crane scale supplied with 2 battery & 1 IR remote.

For Product Inquiry
+91 8511201789
For Customized Solution Call:
+91 9328511234

Website:
www.tajinstruments.in
www.tajinstruments.com

Location:
Rajkot, Gujarat

WEIGH TAJ
weighing at its best

MFG. BY:
TAJ INSTRUMENTS-INDIA

CERTIFIED ISO 9001:2015 COMPANY · CE · RoHS

HEATPROOF INDUSTRIAL CRANE WEIGHING SCALE

BUILT FOR HEAT. BUILT TO PERFORM.

Specially Designed for Small Cast Iron Foundry Applications

HEATPROOF
Works in Heat Upto
90–100°C





1 YEAR WARRANTY
(For Main Motherboard Only)

IDEAL FOR
SMALL CAST IRON FOUNDRY
Where temperature reaches upto 90–100°C

KEY FEATURES
- Heatproof Design – Works in Heat upto 90–100°C
- Heavy Duty Industrial Construction
- High Precision Load Cell Technology
- Bright Red LED Display (Visible from Distance)
- Wireless Display & Printer Available on Demand
- Long Battery Backup (AC/DC Adapter Operated)
- Ideal for Small Cast Iron Foundry & Industrial Use

WIRELESS DISPLAY OPTIONS
0.8" GREEN LED DISPLAY



2" RED JUMBO DISPLAY



WIRELESS RANGE
UP TO 100 METER

AVAILABLE MODELS
This Heatproof Model Available In:

TI–CS–3T	3000 Kg
TI–CS–5T	5000 Kg
TI–CS–10T	10000 Kg
TI–CS–15T	15000 Kg

Note: Heatproof model is not available in other capacities.

WIRELESS PRINTER (ON DEMAND)
Prints: Slip No., Date, Time, Weight



Wireless Printer & Display 0.56"

```
TAJ INSTRUMENTS-INDIA
----------------------
Slip No.  : 000123
Date      : 24/05/2025
Time      : 14:35:22
----------------------
Weight    : 15875 kg
----------------------
```

SPECIFICATIONS

ACCURACY	0.05% of F.S.
DISPLAY	6 Digit Bright Red LED
SAFE OVERLOAD	125% of F.S.
ULTIMATE OVERLOAD	400% of F.S.
BATTERY	6V/4.5Ah Rechargeable
OPERATING TEMP.	Works in Heat upto 90–100°C
POWER SUPPLY	AC 230V / DC Adapter

IDEAL FOR APPLICATIONS
- Small Cast Iron Foundry
- Melting & Pouring Operations
- Furnace & Heat Exposed Areas (Upto 90–100°C)
- Workshop & Heavy Industry
- Material Handling

For Product Inquiry Call or WhatsApp: +91 8511201789
For Customized Solution Call: +91 9328511234
Website: www.tajinstruments.in
Location: Rajkot, Gujarat (India)

WEIGH TAJ
weighing at its best

MFG.BY: TAJ INSTRUMENTS-INDIA

WIRELESS CUSTOMIZED DELIVERY / DISPATCH CHALLAN PRINTING SOLUTIONS

FOR INDUSTRIAL DIGITAL CRANE WEIGHING SCALE



As you hang weight on crane scale live weight data will transfer wirelessly to the software there you have to select your **Party Name** & **PLU** items name and press the button you will get the print of delivery challan and also you can convert data into **excel** and also convert into **pdf**.



0.8" Wireless Green Display with USB RS232 Connectivity

Dispatch / Delivery Challan (Sample Receipt)

TAJ INSTRUMENTS

Retail Outlet & Correspondence Address:
Gujarti Bazar Main Road,Nr.Kansara Bazar,
Rajkot-360001 (Guj.) India
GST No.: 24AJYPB4814E1ZB
MSME NO.:GJ-20-0071966
Call For Product Inquiry:+91 93285112344
Call For Service Support:+91 9328521234

Challan No: 0001 **Date:** 12/05/2026, 12:59
Party Name: National Tradelinks
Address: Ganesh Peth,PUNE
Phone: 8200981547

No	Item Name	Nos	Gross Wt	Tare Wt	Net Wt	Remark
1	"C" Channel Bar 2x4	1	5	0	5	-
2	"C" Channel Bar 2.5x5	1	7	0	7	-
3	"C" Channel Bar 1.5x3	1	8	0	8	-
4	MS PATTI 1.5x3	1	3	0	3	-
5	Angle 2.5x5	1	2	0	2	-
6	MS CHEKAR PLATE 2.8mm	1	10	0	10	-

Total Nos	Total Gross (kg)	Total Tare (kg)	Total Net (kg)
6	35	0	35

Remark: Delivery At Ganesh Peth

EASY OPERATION – STEP BY STEP

1 HANG WEIGHT ON CRANE SCALE



Hang material on the crane scale.

2 LIVE WEIGHT TRANSFER WIRELESSLY



Live weight automatically transfers wirelessly to the software.

3 SELECT PARTY NAME & PLU ITEM



In software, select Party Name and PLU Item name.

4 PRESS BUTTON & GET CHALLAN



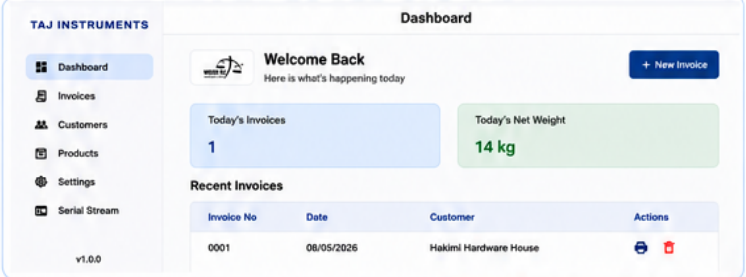
Press Print – instantly get Delivery / Dispatch Challan.

5 EXPORT DATA



Convert data into Excel or PDF for your records & sharing.

SOFTWARE DASHBOARD (EXAMPLE)



HOW IT WORKS

- Hang the load on the crane scale.
- Live weight is shown on the wireless indicator.
- Weight data is transferred automatically to the software.
- Select Party Name and PLU Item.
- All details like Gross Weight, Tare, Net Weight are filled automatically.
- Press Print button to get Delivery / Dispatch Challan.
- Export the data into Excel or PDF format with one click.

KEY FEATURES & BENEFITS

WIRELESS WEIGHING
No Cable Hassle, Easy & Efficient Operation

WINDOWS BASED SOFTWARE
User Friendly Customized Software

DIRECT PRINT CHALLAN
Professional Delivery / Dispatch Challan

PDF GENERATION
Save and Share Challan in PDF Format

EXCEL EXPORT
Export Data to Excel for Record Keeping

USB & RS232 CONNECTIVITY
Seamless Data Transfer & Device Integration

ONE TIME PURCHASE
No Yearly Fees, One Time Investment Only

IDEAL FOR APPLICATIONS: Steel • Foundry • Scrap • Logistics • Construction • All Industrial Weighing Needs

*Call For Product Inquiry:
8511201789 / 9328511234

*Website:
www.tajinstruments.in
www.tajinstruments.com
Email: sales@tajinstruments.in

Location:
Rajkot, Gujarat

Mfg By :

TAJ INSTRUMENTS

(Formerly Since 1972 Known As National Stores)

Retail Outlet & Correspondence Address

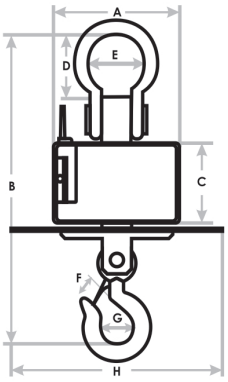
Gujari Bazar Main Road, Near Kansara Bazar, Rajkot-360001 (Gujarat)

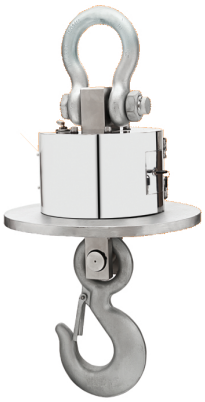
Website:www.tajinstruments.in

Business WhatsApp & Call:9328511234

Sales Inquiry : +91-85112 01789

For Service : +91-93285 21234







Best For Foundary Application Heatproof
Upto 1800-2000 degree temperature

Thermal Heatproof Crane Weighing Scale with Wireless Display

Model	Capacity (in Kg)	e. Value (in Kg)	No. Sub Division	Dimension								Net Weight (in Kg)
				A	B	C	D	E	F	G	H	
OCS-3T	3000	1	3000	270	620	158	95.5	68.5	40	50	600	13.5
OCS-5T	5000	2	2500	270	700	158	108	74	50	55	600	18.5
OCS-10T	10000	5	2000	270	800	158	133	92	60	70	600	30
OCS-15T	15000	5	3000	270	900	190	146	98.5	65	80	600	36.5
OCS-20T	20000	10	2000	320	1100	200	178	127	85	115	700	85
OCS-30T	30000	10	3000	320	1200	200	197	146	100	127	700	115
OCS-50T	30000	20	2500	420	1600	310	267	184	130	160	800	200

Specification

Certificate	OIML (III)
Display	5 Digit 30mm (1.2"), 45mm (1.8") RED
Setting Time	5-8s
Control Distance	≤ 20m
Lead Acid Battery	Rechargable 6V /4Ah
Tare Range	100% F.S.
Over Load	110%F.S.
Safe Overload	125%F.S.
Display	LED / LCD
Work	-10˚ C~+F40˚ C

Iron tern	1000°C	1200°C	1400°C	1500°C
safe distance	1200 mm	1500 mm	1800 mm	2000 mm

Specification :

TICS wireless crane scale adopt unique seismic A/D converter, can quickly and stable measure the suspension in the harsh environment. Using Intelligent intermittent transmission and low energy consumption design, battery over discharge protection circuit, automatic power saving function, display percentage of battery power to choose the right time for charge and avoid damage from over-discharge and shorten working life. Various ways of automatic accumulation, unique man-machine dialogue function, easy to operate and input, Calender clock, from power failure, timely print weeighing data. Weighing data interface with the computer by the standard RS232, and also connect to big display. This series crane scales are widely used in mining enterprises, warehouse terminals and other measurement occasions.

Additional Accessories







Note : Crane Scale supplied with 2 battery and 1 IR remote.

Features

All Steel Housing : Entire body parts made out of Stainless Steel & Bow Shackle and Eye hook are hot dip galvanized.

Impact Resistant, Anti Electromagnetic Interference, Wireless transmission : distance more than 300m without blocking, with signal strength and power supply monitoring system

Working temperature : can be customized according to user requirements normal - 15˚C to -55˚C, high temperature -80˚C.

Indicator : 5-10T scale adopt 6v/4AH, Indicator for 10-50T scale adopt 6V/10AH Ni-MH rechargeable battery

TESTED & CALIBRATED at FULL LOAD

Taj Instruments reserves the rights to improve, enhance or modify features and specifications without prior notice.

WEIGH TAJ
weighing at its best

MFG.BY: TAJ INSTRUMENTS-INDIA

THERMAL HEATPROOF CRANE WEIGHING SCALE

ISO 9001:2015 | CE | RoHS COMPLIANT

BUILT FOR EXTREME HEAT. BUILT TO PERFORM.

KEY FEATURES

- **HEATPROOF DESIGN** — Operates in extreme temperatures up to 1800°C – 2000°C
- **HEAVY DUTY** — Industrial grade construction for long life
- **HIGH PRECISION LOAD CELL** — For accurate & reliable weighing
- **SHOCK RESISTANT & DURABLE** — Built for harsh industrial conditions
- **IDEAL FOR FOUNDRY & STEEL INDUSTRY** — Melting, pouring, casting & material handling
- **LOW MAINTENANCE** — Easy to use & cost effective

DESIGNED FOR HEAVY CAST IRON FOUNDRY ENVIRONMENT

1800°C – 2000°C



STANDARD SUPPLY



Standard This Scale Supplied With **0.8" Wireless Green Display**

BUILT FOR EXTREME ENVIRONMENTS



IDEAL FOR MOLTEN METAL HANDLING & CASTING OPERATIONS

EXTRA ACCESSORIES (OPTIONAL)

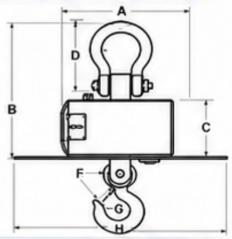


WIRELESS BIG DISPLAY – 2" / 4"
(As Photo Attached)



WIRELESS RECEIPT PRINTER
(Print: Slip No., Date, Time & Weight)

DIMENSIONAL DETAILS



DIMENSION TABLE (mm)

DIM	DESCRIPTION	SIZE
A	Shackle Width	130
B	Overall Height	410
C	Body Height	150
D	Shackle Inner Height	90
E	Shackle Inner Width	60
F	Hook Latch Opening	30
G	Hook Throat Opening	50
H	Hook Width	200

AVAILABLE CAPACITY RANGE

MODEL	CAPACITY (Kg)	e. VALUE (Kg)
TI-CS-1T	1000	0.5
TI-CS-2T	2000	1
TI-CS-3T	3000	1
TI-CS-5T	5000	2
TI-CS-10T	10000	5
TI-CS-15T	15000	5
TI-CS-20T	20000	10
TI-CS-30T	30000	10
TI-CS-50T	50000	20

APPLICATIONS

- Cast Iron Foundry
- Steel Plants & Rolling Mills
- Melting & Pouring Operations
- Furnace & Heat Exposed Areas
- Scrap Handling & Recycling
- Heavy Industrial Weighing

TECHNICAL SPECIFCATIONS

Display	: Bright Red LED	Battery	: Rechargeable 6V / 4Ah
Accuracy	: High Precision (Model Dependent)	Power Supply	: 230V AC Adapter
Control Distance	: Up to 100 Meter	Safe Overload	: 125% F.S.
Load Cell	: Heavy Duty Load Cell	Ultimate Overload	: 400% F.S.
Body	: Stainless Steel / Heatproof	Operating Temp.	: Upto 1800°C – 2000°C
		Tare Range	: 100% F.S.
		Calibration	: Digital Calibration

1 YEAR WARRANTY
(For Main Motherboard Only)

Note: Other capacities available on request.

For Product Inquiry Call or WhatsApp: +91 8511201789
For Customized Solution Call: +91 9328511234
Visit Our Website: www.tajinstruments.in
Location: Rajkot, Gujarat (India)

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MFG.BY: TAJ INSTRUMENTS-INDIA

WEIGH TAJ
weighing at its best

DIGITAL PALLET WEIGHING SCALES – LIFT TRUCK SCALE

WEIGH MORE. WORK SMARTER.

Our Digital Pallet Weighing Scale (Lift Truck Scale) is the perfect solution for accurate and efficient weighing in warehouses, factories, logistics and industrial operations. Built for strength. Designed for accuracy.







HIGH ACCURACY
Advanced load cell sensors ensure precise and reliable weighing with +/- 500g accuracy.

HEAVY DUTY BUILD
Manufactured with high quality mild steel for long-lasting performance and durability.

DIGITAL DISPLAY
6 Digit / 1.2-inch RED LED & segment display for clear visibility in any environment.

EASY TO USE
Ergonomic design for smooth lifting, easy manoeuvring and hassle-free weighing.

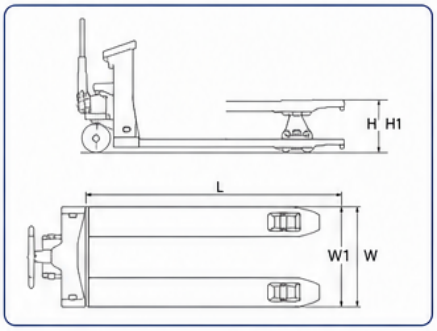
2 TONNE CAPACITY
Ideal for heavy-duty industrial use with a capacity of 2 tonnes.

IDEAL FOR
- Warehouses
- Factories
- Logistics & Distribution
- Shipping & Receiving
- Inventory Management

SPECIFICATIONS

Item	Digital Pallet Weighing Scales-Lift Truck Scale
Capacity	2Tonnes
Accuracy (+/-)	500g
Display Type	6 Digit / 1.2-inch RED LED & segment display
Material	High Quality Mild Steel
Adaptor Voltage	100-240VAC Current 0.1A Frequency -50-60hz

Fork Width	540mm (W) - 160mm (W1)
Fork Length	1150mm (L)
Lowered Height	85mm (H)
Lifting Height	210mm (H1)
Load Roller	210mm (H1)
Road Roller	Nylon / Polyurethane
Steering Wheel	Nylon / Polyurethane
Net Weight	100Kg



KEY FEATURES

85mm LOW SCALE BODY
Easy access for all standard pallets.

HYDRAULIC LIFT SYSTEM
High quality hydro cylinder for smooth and safe operation.

PRECISE WEIGHING TECHNOLOGY
Equipped with quality load cell sensors and advanced weighing indicator.

SAFE & RELIABLE
Built for industrial environments with maximum safety and stability.

CALL FOR PRODUCT INQUIRY: 8511201789 / 9328511234

WEBSITE : www.tajinstruments.in www.tajinstruments.com

EMAIL: sales@tajinstruments.in

LOCATION: Rajkot, Gujarat

MFG.BY:TAJ INSTRUMENTS-INDIA

WEIGH TAJ®
weighing at its best

U TYPE DIGITAL PALLET SCALES

Accurate • Robust • Reliable
Built for Industrial Excellence

CAPACITY	ACCURACY	PLATFORM SIZE
2000Kg (2 TON)	±500g	1000 x 1200 mm



USEAGE – WHY U TYPE PALLET SCALE?

U Type Pallet Scale is designed to make weighing of palletized goods quick, easy and efficient.

- Ideal for weighing loaded pallets without removing goods.
- The U-shape design allows easy entry of hand pallet trucks and forklifts.
- Perfect for warehouses, factories, logistics, transport, shipping & receiving applications.
- Heavy-duty steel structure ensures long lasting performance even in tough industrial environments.
- High precision digital indicator provides accurate, reliable and stable weighing.


WAREHOUSES


LOGISTICS


TRANSPORT


INDUSTRIES

TECHNICAL SPECIFICATIONS

Model	U Type Pallet Scale With High Precision TI-T3-A12 Weighing Indicator
Platform Size	1000 x 1200 mm
Capacity	2000Kg (2 Ton)
Accuracy (e)	±500g
Construction	Heavy Duty Mild Steel Structure
Finish	Powder Coated
Load Cells	4 High Precision Shear Beam Load Cells
Power Supply	AC 220V ±10%, 50Hz / 6V 4Ah Battery
Display	6 Digit LED/LCD Display
Functions	Weighing, Tare, Zero, M+, Counting, Auto Zero, Digital Filtering, Power Saving
Usage	Industrial, Warehouse, Transport, Logistics

WEIGHING INDICATOR – TI-T3-A12



High Precision Digital Weighing Indicator

- Wide range of functions for industrial use
- High accuracy with digital filtering
- RS232C interface for PC / Printer / Display
- Dual Power – AC Mains & Rechargeable Battery
- Low battery alarm, Auto Power Off
- 1 Year Warranty (Main Motherboard Only)

KEY FEATURES

- Robust U Shape Design
- Strong & Durable Structure
- Easy Pallet Entry
- Digital Indicator with Advanced Features
- High Accuracy
- CE | ISO | RoHS Compliant

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WEBSITE :
www.tajinstruments.in
www.tajinstruments.com

EMAIL :
sales@tajinstruments.in

LOCATION :
Rajkot, Gujarat

WEIGH TAJ
weighing at its best

CERTIFIED ISO 9001:2015 COMPANY

CE

RoHS

MFG.BY: TAJ INSTRUMENTS-INDIA

Item: AW1-Wireless Load Cell / Wireless Indicator Platform Scale



TI-T3-AW1 WIRELESS WEIGHING INDICATOR

The TI-T3-AW1 Wireless Weighing Indicator is a professional industrial wireless weighing indicator mainly used for

- Industrial Platform Scales
- Wireless Floor Scales
- Mobile Weighing Systems
- Animal/Livestock Scales
- Warehouse & Logistics Weighing
- On-board Vehicle Weighing
- Industrial Automation Systems

WIRELESS COMMUNICATION BETWEEN PLATFORM & INDICATOR

The TI-T3-AW1 Wireless Weighing Indicator communicates wirelessly with the platform through a wireless junction box, eliminating the need for long load cell cables between the weighing platform and display indicator. This reduces cable damage problems, electrical noise interference, and installation complexity, making it ideal for industrial environments, mobile weighing systems, and long-distance applications.

NO PHYSICAL CABLE REQUIRED BETWEEN PLATFORM & INDICATOR

MAIN FEATURES

- ✔ Wireless communication up to approx. 20 meters (open area)
- ✔ Works with 1–4 load cells
- ✔ Frequency hopping technology for anti-interference
- ✔ Can work near WiFi/Bluetooth systems
- ✔ 30 separate wireless channels
- ✔ Green LED display
- ✔ Rechargeable battery backup
- ✔ RS232 communication port
- ✔ Printer connectivity
- ✔ Accumulation function
- ✔ Counting function
- ✔ Animal weighing mode
- ✔ Kg/Lb conversion
- ✔ Optional Bluetooth output

TECHNICAL SPECIFICATIONS

Parameter	Details
Model:	TI-T3-AW1
Accuracy Class	OIML Class III
Display	6 Digit LED Display
Status Indicators	13 Indication LEDs
Wireless Frequency	2.4GHz
Wireless Distance	≥20m (without obstruction)
Communication	RS232
Optional	Bluetooth 2.0
Power Supply	AC 220V + Rechargeable Battery
Battery	6V/4Ah
Battery Backup	Approx. 40 Hours
Load Cell Support	1–4 × 350Ω Load Cells
Operating Temperature	0°C to 40°C
Functions	Zero, Tare, Accumulation, Counting, Animal Mode
Cabinet Type	Industrial ABS / Metal Housing (varies)

IDEAL APPLICATIONS

- Wireless Platform Scale
- Warehouse Scale
- Heavy Industrial Scale
- Chemical Industry
- Steel Industry
- Mobile Trolley Scale
- Livestock Scale
- Recycling Industry
- Long Distance Weighing Systems

ADVANTAGES FOR INDUSTRIAL CUSTOMERS

- ✔ No long load cell cable required
- ✔ Reduces electrical noise problems
- ✔ Easy installation
- ✔ Easy shifting of platform
- ✔ Less maintenance cost
- ✔ Suitable for moving platforms
- ✔ Strong anti-interference performance

HOW WIRELESS COMMUNICATION WORKS

1. **WEIGHT DETECTION** — Load cell installed in platform detects applied weight.
2. **SIGNAL CONVERSION** — Wireless junction box converts load cell signal into digital data.
3. **WIRELESS TRANSMISSION** — Data is transmitted wirelessly using 2.4GHz technology.
4. **INDICATOR RECEIVES DATA** — Indicator receives data and displays accurate weight instantly.

STRONG ANTI-INTERFERENCE TECHNOLOGY

- **FREQUENCY HOPPING TECHNOLOGY**
- **MULTIPLE WIRELESS CHANNELS**
- **STABLE SIGNAL IN INDUSTRIAL ENVIRONMENTS**

Prevents interference from WiFi, Bluetooth, Industrial Motors, VFD Drives and Electrical Panels.

WIRED SYSTEM vs WIRELESS SYSTEM

Traditional Wired System	TI-T3-AW1 Wireless System
✕ Long cable required	✓ No communication cable
✕ Cable damage common	✓ Minimal wiring issues
✕ Difficult installation	✓ Easy installation
✕ Signal loss possible	✓ Stable wireless transmission
✕ Difficult shifting	✓ Easy platform movement
✕ High maintenance	✓ Low maintenance
✕ Electrical noise issues	✓ Better anti-interference

- **Weighing Indicator** : ABS Virgin Plastic Body SS Body with MS Base Plate
- **Front Display** : 0.8" Indian RED Led Display
- **Battery** : 6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
- **Calibration** : External (by standard reference weight)
- **Tare Range** : 25% of Capacity
- **Zero Adjustment** : Manual Zero
- **Power Supply** : 230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
- **Power Consumption** : Low Power Consumption Design
- **Operating Temperature** : 0°C to +45°C
- **Humidity** : Up to 85% RH, Non-Condensing

PLATFORM SIZE & WIEIGHING CAPACITY TABLE

Platform Size	Frame Pipe	Max Capacity	Accuracy (e)	Readability
400x400mm	32mm MS	50Kg	5g	20g
400x400mm	32mm MS	100Kg	10g	40g
500x500mm	32mm MS	100Kg	10g	50g
500x500mm	32mm MS	200Kg	20g	100g
600x600mm	32mm MS	100Kg	10g	50g
600x600mm	32mm MS	200Kg	20g	100g
600x600mm	32mm MS	300Kg	50g	150g

Location
RAJKOT, GUJARAT

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WIRELESS LOAD CELL WEIGHING INDICATOR

WEIGH TAJ
weighing at its best

Smart Weighing. Wireless Freedom.

CERTIFIED ISO 9001:2015 COMPANY | CE | RoHS COMPLIANT

MFG.BY: TAJ INSTRUMENTS-INDIA



WHY WIRELESS?

Its main advantage is that it works wirelessly with a wireless junction box, so no long load cell cable is required between platform and indicator.

This is very useful in industrial environments where cable damage, long-distance installation, or moving platforms are common.

NO PHYSICAL CABLE REQUIRED BETWEEN PLATFORM & INDICATOR

APPLICATION OF USE

- Industrial Platform Scales
- Wireless Floor Scales
- Mobile Weighing Systems
- Animal/Livestock Scales
- Warehouse & Logistics Weighing
- On-board Vehicle Weighing
- Industrial Automation Systems

MAIN FEATURES

- Wireless communication up to approx. 20 meters (open area)
- Works with 1–4 load cells
- Frequency hopping technology for anti-interference
- Can work near WiFi/Bluetooth systems
- 30 separate wireless channels
- Green LED display
- Rechargeable battery backup
- RS232 communication port
- Printer connectivity
- Accumulation function
- Counting function
- Animal weighing mode
- Kg/Lb conversion
- Optional Bluetooth output

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- Warehouse Scale
- Heavy Industrial Scale
- Chemical Industry
- Steel Industry
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- Livestock Scale
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- Long Distance Weighing Systems

ADVANTAGES FOR INDUSTRIAL CUSTOMERS

- No long load cell cable required
- Reduces electrical noise problems
- Easy installation
- Easy shifting of platform
- Less maintenance cost
- Suitable for moving platforms
- Strong anti-interference performance

TECHNICAL SPECIFICATIONS

Parameter	Details
Model	TI-T3-AW1
Accuracy Class	OIML Class III
Display	6 Digit LED Display
Status Indicators	13 Indication LEDs
Wireless Frequency	2.4GHz
Wireless Distance	≥20m (without obstruction)
Communication	RS232
Optional	Bluetooth 2.0
Power Supply	AC 220V + Rechargeable Battery
Battery	6V/4Ah
Battery Backup	Approx. 40 Hours
Load Cell Support	1–4 × 350Ω Load Cells
Operating Temperature	0°C to 40°C
Functions	Zero, Tare, Accumulation, Counting, Animal Mode
Cabinet Type	Industrial ABS / Metal Housing (varies)

HOW WIRELESS COMMUNICATION WORKS

1. **WEIGHT DETECTION** — Load cell installed in platform detects applied weight.
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WIRED SYSTEM vs WIRELESS SYSTEM

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✗ Cable damage common	✓ Minimal wiring issues
✗ Difficult installation	✓ Easy installation
✗ Signal loss possible	✓ Stable wireless transmission
✗ Difficult shifting	✓ Easy platform movement
✗ High maintenance	✓ Low maintenance
✗ Electrical noise issues	✓ Better anti-interference

VS

Weighing Indicator	ABS Virgin Plastic Body SS Body with MS Base Plate	Zero Adjustment	Manual Zero
Front Display	0.8" Indian RED Led Display	Power Supply	230V AC ± 10%, 50Hz. Built-in Rechargeable Battery Backup
Battery	6V - 4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)	Power Consumption	Low Power Consumption Design
Calibration	External (by standard reference weight)	Operating Temperature	0°C to + 45°C
Tare Range	25% of Capacity	Humidity	Up to 85% RH, Non-Condensing

Location
RAJKOT, GUJARAT

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CE

RoHS

MFG.BY:TAJ INSTRUMENTS-INDIA

Item:AW1-Wireless 4 Load Cell / Wireless Indicator Platform Scale



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- Mobile Weighing Systems
- Animal/Livestock Scales
- Warehouse & Logistics Weighing
- On-board Vehicle Weighing
- Industrial Automation Systems

Its main advantage is that it works wirelessly with a wireless junction box, so no long load cell cable is required between platform and indicator. This is very useful in industrial environments where cable damage, long-distance installation, or moving platforms are common.

MAIN FEATURES

- Wireless communication up to approx. 20 meters (open area)
- Works with 1–4 load cells
- Frequency hopping technology for anti-interference
- Can work near WiFi/Bluetooth systems
- 30 separate wireless channels
- Green LED display
- Rechargeable battery backup
- RS232 communication port
- Printer connectivity
- Accumulation function
- Counting function
- Animal weighing mode
- Kg/Lb conversion
- Optional Bluetooth output

WIRELESS COMMUNICATION BETWEEN PLATFORM & INDICATOR



INDUSTRIAL BENEFITS

- ✓ No physical signal cable between platform and indicator
- ✓ Reduces installation cost and time
- ✓ Easy platform shifting without rewiring
- ✓ Ideal for moving trolley scales and mobile weighing systems
- ✓ Frequency hopping technology automatically changes channels to avoid interference
- ✓ Works even near WiFi and Bluetooth devices
- ✓ Stable communication up to approx. 20 meters in open industrial area
- ✓ Better protection from electrical noise and voltage disturbances
- ✓ Suitable for difficult industrial environments where wiring is not practical
- ✓ Reduces downtime and maintenance cost

WHY INDUSTRIAL CUSTOMERS PREFER WIRELESS SYSTEM?

- ✗ Long cable damage due to forklifts, rats, chemicals, water, or heavy movement
- ✗ Signal fluctuation because of electrical noise from motors, VFD panels, welding machines, and industrial power lines
- ✗ Difficult cable routing in large factories or moving trolley systems
- ✗ Frequent maintenance due to broken or moisture-damaged cables
- ✗ Installation problems in long-distance weighing locations

INDUSTRIAL USE CASES

Steel Plants	Chemical Factories	Warehouse & Dispatch Areas
Mobile Trolley Weighing	Livestock & Animal Weighing	Recycling & Scrap Industries
Heavy Fabrication Units	Outdoor Platform Weighing	Conveyor & Automation Systems

INDUSTRIAL EXPLANATION

Traditional weighing systems require long load cell cables between platform and indicator. In industrial environments these cables often get damaged due to movement, moisture, forklifts, electrical interference, or rough usage.

The TI-T3-AW1 Wireless System eliminates this problem by transmitting weighing data wirelessly through an industrial wireless junction box, resulting in easy installation, low maintenance, stable performance, and better reliability.

TECHNICAL SPECIFICATIONS

Parameter	Details
Model	TI-T3-AW1
Accuracy Class	OIML Class III
Display	6 Digit LED Display
Status Indicators	13 Indication LEDs
Wireless Frequency	2.4GHz
Wireless Distance	≥20m (without obstruction)
Communication	RS232
Optional	Bluetooth 2.0
Power Supply	AC 220V ÷ Rechargeable Battery
Battery	6V/4Ah
Battery Backup	Approx. 40 Hours
Load Cell Support	1–4 × 350Ω Load Cells
Operating Temperature	0°C to 40°C
Functions	Zero, Tare, Accumulation, Counting, Animal Mode
Cabinet Type	Industrial ABS / Metal Housing (varies)

PLATFORM SIZE & WEIGHING CAPACITY TABLE

Capacity	Accuracy (+/-)	Platform Size(mm)	MS "C" Channel	MS TOP PLATE	Approx. Weight
500 Kg	100g	750x750	2"x4"	2.8mm	45Kg
1000 Kg	100g	900x900	2"x4"	2.8mm	55Kg
1000 Kg	100g	1000x1000	2"x4"	2.8mm	65Kg
2000 Kg	200g	1200x1200	2"x4"	2.8mm	98Kg
2000 Kg	200g	1200x1200	2"x4"	5mm	123Kg
3000 Kg	500g	1500x1500	2"x4"	2.8mm	140Kg
3000 Kg	500g	1500x1500	2.5"x5"	2.8mm	160Kg
5000 Kg	500g	1500x1500	2.5"x5"	5mm	215Kg

Location
Rajkot, Gujarat

Call Product Inquiry
8511201789 / 9328511234

Website
www.tajinstruments.in
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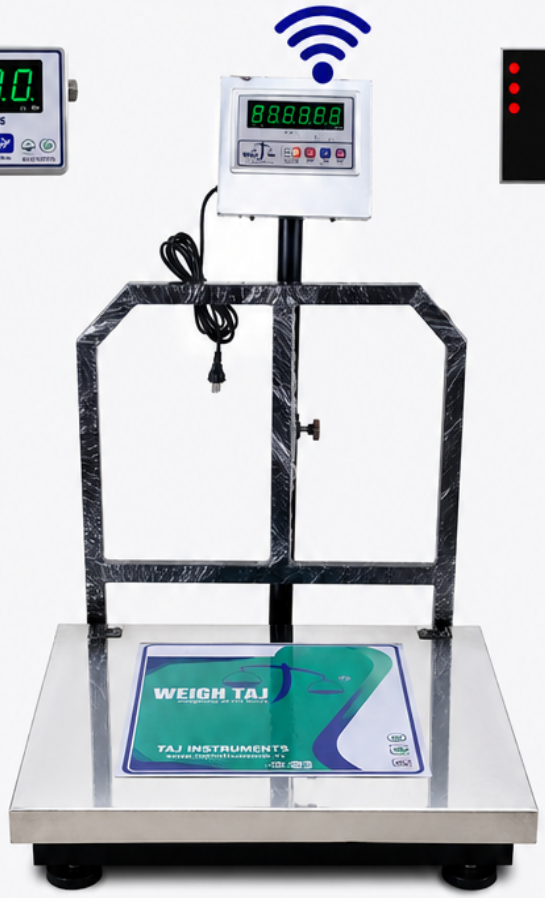
ITEM: Digital Platform Scale with Wireless Display

*Wireless Display Available in: 5" inch Green Led & 0.8" Green Led Display
(Wireless Range-200meter)
(Note: Wireless Display Needs Direct Power Supply)







ON CUSTOMER DEMAND

WIRELESS PF INDICATOR ALSO AVAILABLE



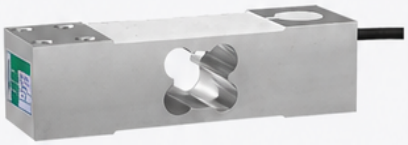
- Up to 400ft wireless range
- High accuracy & durable MS body
- Segment size = 0.56" (Green)
- battery inbuilt = 6v, 6000 mA lithium
- Long-lasting battery
- Wireless key operations
- 1-Year Warranty Included

TECHNICAL SPECIFICATIONS

• Make	:	TAJ INSTRUMENTS (with WeighTaj High Precision Motherboard)
• Platform Top	:	STEEL TOP
• Load Cell	:	Alluminium 25x25 Single Point Off Center PF LC
• Weighing Indicator Body	:	Complete MS Body
• Weighing Indicator Display	:	0.8" Indian Green Led Display
• Battery	:	6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
• Calibration	:	External (by standard reference weight)
• Tare Range	:	25% of Capacity
• Zero Adjustment	:	Manual Zero
• Power Supply	:	230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
• Power Consumption	:	Low Power Consumption Design
• Operating Temperature	:	0°C to +45°C
• Humidity	:	Up to 85% RH, Non-Condensing

LOAD CELL DETAILS

- Alluminium 25x25
- Single Point Off Center PF LC
- High Accuracy
- High Performance
- Industrial Grade



CAPACITY TABLE

Platform Size	Max Capacity	Accuracy (e)
400x400mm.	50Kg.	5g
400x400mm.	100Kg.	10g
400x400mm.	70/150Kg.	10/20g (dual)
500x500mm	100/200Kg	10/20g (dual)
600x600mm	100/200Kg	10/20g (dual)
600x600mm	100/300Kg.	10/50g (dual)
600x600mm	300Kg.	50g (dual)

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*Call For Customized Solutions: 9328511234

*Website: www.tajinstruments.in www.tajinstruments.com

Rajkot, Gujarat

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MFG.BY: TAJ INSTRUMENTS-INDIA

ITEM: Digital Platform Scale with Wireless Display

*Wireless Display Available in: 5" inch Green Led & 0.8" Green Led Display
(Wireless Range-200meter)
(Note: Wireless Display Needs Direct Power Supply)







WIRELESS DISPLAY AVAILABLE IN:

- 5" INCH GREEN LED DISPLAY
- 0.8" GREEN LED DISPLAY

WIRELESS RANGE
200 METER

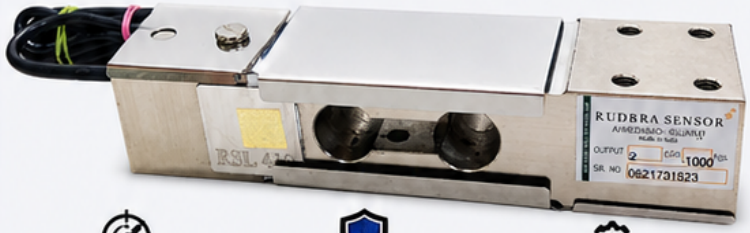
NOTE: WIRELESS DISPLAY NEEDS DIRECT POWER SUPPLY

TECHNICAL SPECIFICATIONS

• Make	:	TAJ INSTRUMENTS (With WeighTaj High Precision Motherboard)
• Platform Top	:	MS CHEKAR TOP
• Load Cell	:	HEAVY MILD STEEL 25x35 Single Point Off Center PF LC
• Weighing Indicator Body	:	Complete MS Body
• Weighing Indicator Display	:	0.8" Indian Green Led Display
• Battery	:	6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
• Calibration	:	External (by standard reference weight)
• Tare Range	:	25% of Capacity
• Zero Adjustment	:	Manual Zero
• Power Supply	:	230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
• Power Consumption	:	Low Power Consumption Design
• Operating Temperature	:	0°C to +45°C
• Humidity	:	Up to 85% RH, Non-Condensing

LOAD CELL DETAILS

HEAVY MILD STEEL 25x35
SINGLE POINT OFF CENTER PF LC



HIGH ACCURACY

HEAVY DUTY CONSTRUCTION

INDUSTRIAL GRADE

CAPACITY TABLE

Platform Size	Frame Pipe	Max Capacity	Accuracy (e)
600x600mm	32mm	100/200Kg	10/20g (dual)
600x600mm	32mm	100/300Kg	10/50g (dual)
600x600mm	32mm	300Kg	50g
750x750mm	38mm	500Kg	50g
900x900mm	50mm	1000Kg	100g

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4 LOAD CELL
HEAVY DORMANT
PLATFORM SCALE
WITH WIRELESS DISPLAY





- Wireless Display Available in:
  5" inch Green Led & 0.8" Green Led Display
  (Wireless Range-200meter)
  (Note: Wireless Display Needs Direct Power Supply)

ON CUSTOMER DEMAND

WIRELESS PF INDICATOR ALSO AVAILABLE



- Up to 400ft wireless range
- High accuracy & durable MS body
- Segment size = 0.56" (Green)
- battery inbuilt = 6v, 6000 mA lithium
- Long-lasting battery
- Wireless key operations
- 1-Year Warranty Included

TECHNICAL SPECIFICATIONS

- Make : TAJ INSTRUMENTS (with WeighTaj High Precision Motherboard)
- Load Cell : Single Ended Shear Beam Load Cell
- Weighing Indicator Body : Complete MS Body
- Weighing Indicator Display : 0.8" Indian Green Led Display
- Battery : 6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
- Calibration : External (by standard reference weight)
- Tare Range : 25% of Capacity
- Zero Adjustment : Manual Zero
- Power Supply : 230V AC ±10%, 50Hz, Built-in Rechargeable Battery Backup
- Power Consumption : Low Power Consumption Design
- Operating Temperature : 0°C to +45°C
- Humidity : Up to 85% RH, Non-Condensing

LOAD CELL DETAILS



Single Ended Shear Beam Load Cell

- ✓ High Accuracy
- ✓ Industrial Grade
- ✓ High Performance
- ✓ Durable & Reliable

CAPACITY TABLE

Capacity	Accuracy (+/-)	Platform Size(mm)	MS "C" Channel	MS TOP PLATE	Approx. Weight
500 Kg	100g	750x750	2"x4"	2.8mm	45Kg
1000 Kg	100g	900x900	2"x4"	2.8mm	55Kg
1000 Kg	100g	1000x1000	2"x4"	2.8mm	65Kg
2000 Kg	200g	1200x1200	2"x4"	2.8mm	98Kg
2000 Kg	200g	1200x1200	2"x4"	5mm	123Kg
3000 Kg	500g	1500x1500	2"x4"	2.8mm	140Kg
3000 Kg	500g	1500x1500	2.5"x5"	2.8mm	160Kg
5000 Kg	500g	1500x1500	2.5"x5"	5mm	215Kg

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TIT3-A35E

BLUETOOTH LABEL PRINTING SCALE

WITH ANDROID MOBILE APP & WITH USB PEN DRIVE DATA BACKUP







INBUILT THERMAL LABEL PRINTER
50x40 mm Sticker Print

INBUILT LABEL PRINTER
50x40 mm Thermal Sticker Print

USB PEN DRIVE DATA EXPORT
Export weighing records via USB

BLUETOOTH (OPTIONAL)
Android Mobile App Supported

ANDROID MOBILE APP
Live weight, reports, data backup & management

15-KEY KEYPAD
0-9 Numeric Keys + 5 Function Keys

MULTI-FUNCTION WEIGHING
Weighing, Counting, Accumulation, Animal Weighing & More

DUAL POWER OPERATION
AC Power + Rechargeable Battery (Long Battery Backup)

INDUSTRIAL DURABLE DESIGN
Anti-interference & High Reliability

TECHNICAL SPECIFICATIONS

Accuracy Class	Class III
Calibration Division	n = up to 5000
A/D Conversion	High precision Analog-to-Digital
Sampling Speed	Fast response industrial grade
Stability	Advanced digital filtering for anti-vibration
Load Cell Connection	1 to 4 Load Cells (350Ω)
Excitation Voltage	DC 5V
Connection Type	6-wire system
Input Signal Range	-15mV to +15mV
Display Type	Bright LED Display
Display Digits	6 Digits
Keyboard	15 Keys (0-9 Numeric + 5 Function)
Interface	RS232 (Standard)
USB Output	Data export to pen drive
Optional	Bluetooth + Android App
Power Supply (AC)	187V – 242V, 50Hz
Battery	Rechargeable (Lithium / DC)
Operating Temp.	0°C to 40°C
Humidity	≤85% RH Non-condensing

KEY FEATURES

- Inbuilt label printer indicator
- Customizable print formats
- USB data export (pen drive)
- Bluetooth connectivity (Optional)
- Android Mobile App Support
- 15-key keypad (Numeric + Function)
- High precision ADC technology
- Suitable for data recording & dispatch systems
- Long battery backup
- Dual power operation (AC + DC)
- Industrial ABS body
- Anti-interference design
- Suitable for platform / floor scale & industrial systems



USB Pen Drive Data Export



Android Mobile App (For Live Data)

BASIC FUNCTIONS

- Weighing
- Counting Function
- Accumulation (M+)
- Animal Weighing Mode
- Zero / Tare Function
- Data Storage & Export
- Dual Power Operation
- Long Battery Backup (Lithium Battery Support)

1 YEAR WARRANTY
(FOR MAIN MOTHERBOARD ONLY)
(As per TAJ INSTRUMENTS standard policy)

PLATFORM SCALE MODEL OPTIONS

SR. NO.	PLATFORM SIZE	PLATFORM TOP	PIPE SIZE	CAPACITY	ACCURACY	LOAD CELL
1	400x400mm	(SS)	25mm Pipe	50Kg	5g	25x25 ALLU
2	400x400mm	(SS)	25mm Pipe	100Kg	10g	25x25 ALLU
3	500x500mm	(SS)	32mm Pipe	100Kg	10g	25x25 ALLU
4	500x500mm	(SS)	32mm Pipe	200Kg	20g	25x25 ALLU
5	600x600mm	(SS)	32mm Pipe	100Kg	10g	25x35 SS
6	600x600mm	(SS)	32mm Pipe	200Kg	20g	25x35 SS
7	600x600mm	(SS)	32mm Pipe	300Kg	50g	25x35 SS
8	750x750mm	(MS)	38mm Pipe	500Kg	50g	25x35 SS

IDEAL FOR

- Industrial Weighing
- Warehouse & Logistics
- Packing & Dispatch
- Inventory & Stock Control
- Data Recording Systems

FOR PRODUCT INQUIRY
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+91 9328511234

WEBSITE:
www.tajinstruments.in
www.tajinstruments.com

LOCATION:
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(INDIA)

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INDUSTRIAL DIGITAL WEIGHING SCALE
WITH LABELLING SOLUTION

Advanced industrial weighing scale with integrated label printing system. Prints real-time weight, date, time and QR code / barcode for accurate tracking and complete traceability.



PRINT SAMPLE (LABEL SIZE: 75x50mm)

TAJ INSTRUMENTS

DATE : 19/03/25
TIME : 09:39:05
WEIGHT: 000.540 Kg

Date | Time | Live Weight | QR Code / Barcode

* Label Size : 75 x 50 mm

INDICATOR



- 0.56" Green LED Display
- High Accuracy
- User Friendly Keys
- Strong ABS Body

INDUSTRIAL PLATFORM



- Heavy Duty SS Platform
- Strong Mild Steel Structure
- Adjustable Feet
- High Load Capacity

LABEL PRINTER



- Make & Model: TSC-TE210
- 203 DPI Thermal Printer
- Fast & Clear Printing
- High Label Loading

STANDARD CONFIGURATION

- **Standard Printer Make & Model :** TSC-TE210 Barcode Printer - 203 DPI
- **Standard Label Size :** 75 x 50 mm
- **Prints :** Short Company Name (16 Char), Date, Time & Live Weight

HOW IT WORKS



1. Place material on platform scale
2. Weight is displayed in real-time
3. Press print button (manual trigger)
4. System sends data to printer
5. Label printed instantly with details

INDUSTRIAL APPLICATIONS

Manufacturing
Batch tracking, Production weight labeling

Packaging
Accurate packing and dispatch labeling

Logistics & Warehousing
Parcel weight, Inventory tagging

Food & FMCG
Packed goods labeling, Weight compliance

Chemical / Pharma
Batch identification and traceability with QR codes

TECHNICAL SPECIFICATIONS

Indicator Display	0.56" Green LED
Printing Technology	Thermal Barcode Printing
Printer Model	TSC-TE210 (203 DPI)
Label Size	75 x 50 mm
Interface	RS232 Communication
Data Output	Date, Time, Weight
Power Supply	230V AC
Calibration	External
Structure	Heavy Duty Industrial Platform

KEY ADVANTAGES

- ✓ One Button Label Printing
- ✓ Eliminates Manual Entry Errors
- ✓ Real-time Weight Capture
- ✓ QR Code based Traceability
- ✓ Improves Inventory Tracking
- ✓ Professional Dispatch System
- ✓ Saves Time & Increases Efficiency

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LOCATION
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INDUSTRIAL PLATFORM WEIGHING SCALE

WITH EXTERNAL RECEIPT PRINTER

WITH ANDROID BLUETOOTH MOBILE APP

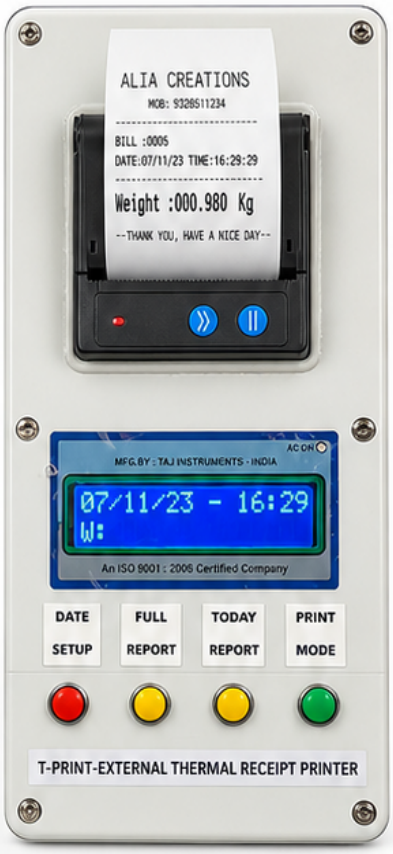
MODEL:

T-PRINT

(THERMAL PRINTER SYSTEM)

Bluetooth SMART





ANDROID MOBILE APP

NAME:

T-PRINT

THERMAL PRINTER



CUSTOMIZE DIRECTLY FROM APP

- Line-1 = Header (14 Characters Only) Company Name
- Line-2 = Header (14 Characters Only) City or Mobile Number

NOTE: The character which we type will change to GREEN colour when it reaches 14 characters.

- Line-3 = Date / Month / Year
- Line-4 = Time Set (24 hr. format)
- Bill Number Reset Option = YES / NO

KEY FEATURES

- Bluetooth Connectivity
- External Thermal Printer Support
- Mobile Based Control System
- No Manual Printer Setting Required
- Fast & Accurate Data Printing
- Industrial Heavy Duty Platform

TECHNICAL SPECIFICATIONS

Connectivity	:	Bluetooth
App Platform	:	Android
Printer Type	:	Thermal Printer
Data Control	:	Mobile App Based
Range	:	7 - 8 Meters
Power Supply	:	230V AC / 50Hz
Display	:	Green LED Display
Battery Backup	:	Optional

SAMPLE RECEIPT

ALIA CREATIONS
MOB:9328511234
BILL :0005
DATE:07/11/23 TIME:16:29:29
Weight :000.980 Kg
--THANK YOU, HAVE A NICE DAY--

IDEAL FOR

INDUSTRIAL WEIGHING | DISPATCH & BILLING | WAREHOUSE MANAGEMENT | TRANSPORT & LOGISTICS | PRODUCTION UNITS

SMART PRINTING SYSTEM WITH MOBILE CONTROL

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WINDOWS DESKTOP LABEL GENERATION & DISPATCH MANAGEMENT SOFTWARE

Complete Solution for Weighing, Labeling, Stock & Dispatch Management

Designed for Industries: Jewellery, Nonwoven, Polypack, Stretch Roll, BOPP, Packaging & More

- Windows Desktop Application
- Barcode & QR Code Generation
- Label & Report Printing (80mm / A4 etc.)
- Data Storage & Secure Database
- Export to Excel, PDF or Print
- Improve Accuracy & Productivity
- Easy to Use & After Sales Support

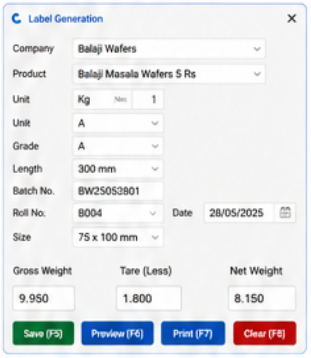
1 MODULE 1 – LABEL GENERATION

Create, preview, print and manage labels with complete control and accuracy.

FEATURES

- Company / Product Selection
- Unit, Nos, Grade, Length
- Batch No., Roll No., Size
- Gross, Less (Tare), Net Weight
- Barcode / QR Code Generation
- Multiple Label Template Designs
- Custom Label Sizes
- Label Preview & Printing
- View all Generated Labels in Stock Table/List
- Search, Filter, Edit & Delete Records
- Export Generated Label List to Excel, PDF or Print
- Database Storage

DATA ENTRY SCREEN



LABEL PREVIEW (75 x 100 mm)



GENERATED LABELS STOCK TABLE

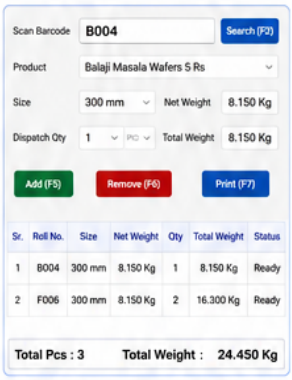
ID	Date	Company	Product	Roll No.	Net Wt	Printed
101	28/05/2025	Balaji Wafers	Balaji Masala Wafers 5 Rs	B004	8.150 Kg	Yes
100	28/05/2025	Balaji Wafers	Balaji Masala Wafers 5 Rs	F006	8.150 Kg	Yes
99	28/05/2025	FRESH EARTH SOAPS PVT. LTD.	FRESH NO-1 LAVENDER SOAP 100	001	22.030 Kg	Yes
98	28/05/2025	Mangalam PolyPack	RATLAMI SEV	29	20.910 Kg	Yes
97	27/05/2025	Test Party	Test Item	001	18.970 Kg	Yes

Search / Filter · Edit / Delete · Export to Excel · Export to PDF · Print List · Database Storage

2 MODULE 2 – ADVANCED DISPATCH & STOCK MANAGEMENT

Manage dispatch, stock & reports efficiently with real-time updates.

DISPATCH / SCANNING SCREEN



PACKING LIST PREVIEW (A4 SIZE)



ADDITIONAL FEATURES

- Barcode Scanning for Dispatch (One by One)
- Multi-Row Dispatch
- Packing List Generation & Printing
- Live Stock Management
- Dispatch Stock / Pending Stock Status
- Dispatch History
- Barcode Reprint
- Export Reports to Excel & PDF

LIVE STOCK STATUS

TOTAL STOCK	DISPATCH STOCK
1,250 Rolls	850 Rolls
PENDING STOCK	**TODAY DISPATCH**
400 Rolls	120 Rolls

DISPATCH HISTORY

REPORTS & EXPORT

Export to Excel · Export to PDF · Print Reports · Reports & Analytics

CONNECTS WITH INDUSTRIAL DIGITAL WEIGHING SCALE FOR LIVE WEIGHT DATA IN SOFTWARE



Wired and Wireless PC Connectivity available as per customer requirements

BENEFITS FOR YOUR BUSINESS

- Save Time & Manual Work
- Accurate Weighing & Labeling
- Real-time Stock Visibility
- Better Dispatch Control
- Professional Reports
- Scalable Solution for Any Business

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Website: www.tajinstruments.in www.tajinstruments.com
Location: Rajkot, Gujarat, India
Email: sales@tajinstruments.in

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Item: Customized Labeling Solution For All Types Of Industries

We Supplied Platform Scale (as per customer requirements and choice) with Windows Based Customized Labeling Software (one time purchase only)

SAMPLE LABELS PRINTED BY OUR SOFTWARE

PROCLEAN
Name : TOILET BRUSH W CONTAINER SQUARE
Code : G316
Quantity : 24.00
Gross Wt : 4.850
Color : MIX
MRP : 220.00
OC : DD
Box Code : 1013
Customer Care Executive : +91 9099088708
Box No :
Verified By :

Mangalamm PolyPack - Rajkot
RATLAMI SEV
Date : 25-Apr-22 Roll No : 29
Weight : 21.31
Core : 0.40
Net : 20.91
SHREE HARI NAMKEEN VIRNAGAR

Roll No	Size : 180 mm	Date : 17/12/2021
52	Operator : gaurang	
Job Name : ABCDEF1245		
Gross Weight	Core Weight	Net Weigh
533.420 Kg	010.250 Kg	523.170 Kg

LUMEN FLEXIPRINT LLP.

Roll No	Date : 28/05/2025
B004	Direction : Readable
	Size : 300 mm

BVFFKR
Company : Balaji Wafers
Product : Balaji Masala Wafers 5 Rs
Remark :

Gross Wt	Core Wt	Net Wt	Mtr
9.950 Kg	1.800 Kg	8.150 Kg	4560

: +91 87588 27327 lumenflexiprint@gmail.com

PELICAN ENGITECH PRIVATE LIMITED
Saffron Industrial Park, Plot no - 30,31, Rajkot Kalavad Highway, Vill. Anandpar - 361162, Gujarat- India.
PER-PACK QTY : 100
SFL PART NO : AA0103040-0000
MAT. DESC : SOCKET HEAD CAP FULL THREAD SCREW
MAT. SIZE : M10 X 1.5 X 40mm
NO OF PACK : 1 /
PKD ON : 12/01/2021
Customer Care : +91 9702488899
Email : info@pelicanengitech.com

PELICAN ENGITECH PRIVATE LIMITED
Saffron Industrial Park, Plot no - 30,31, Rajkot Kalavad Highway, Vill. Anandpar - 361162, Gujarat- India.
SOCKET HEAD CAP FULL THREAD SCREW
Code : AA0103040-0000
Size : M10 X 1.5 X 40mm
GRADE : 12.9
MRP : 0.09
PKD ON : Jan-2021
100 Pcs
3.10 Kg
Customer Care : +91 9702488899
Email : info@pelicanengitech.com

PLATFORM WEIGHING SCALE



Weighing Scale To PC / Software
Wired & Wireless Both Connectivity Available as per customer requirements

WIRED

WIRELESS

WINDOWS BASED CUSTOMIZED SOFTWARE





CUSTOMIZED SOFTWARE DETAILS

Software Name:
Manufacturing & Inventory Management System

Main Features

- Advance Inventory System
- Weight Scale Integration
- Advance Level Manufacturing Stock Management
- Customized Dashboard & Theme Design
- Full Barcode Solution
- Factory Order & Inner Production Management
- Barcode Generation with Production Planning
- Smart Order Management System
- Sales Order Wise Reports
- Smart Production Planning
- Individual Store & Department Management
- Stock Adjustment Management System
- Export Reports in Excel, Word, PDF etc.
- Easy MIS Reports & Product Analysis
- Easy Software Operation
- Easy Report Generation

Single User License: Included

Additional User / Per PC extra

AMC (Annual Maintenance Charges) available as per customer requirements

Note
- Installation & basic training included.
- Customization charges extra (if required).
- AMC includes support and updates.

Call For Product Inquiry: 8511201789 / 9328511234
Website: www.tajinstruments.in www.tajinstruments.com
Add Location: Rajkot, Gujarat
Email: sales@tajinstruments.in

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RAJKOT, GUJARAT - INDIA

LABEL SAMPLES



Generated Through Customized Labeling Windows Based Software

Accurate • Fast • Customizable • Reliable

CUSTOMIZED	HIGH QUALITY	SUPPORTS	WINDOWS
As per Your Need	Print Output	Barcode & QR Code	Based Software

---

RadheShyam Rotopack LLp

Roll No : 002

Date : 13/07/2026
Company : AS ENTERPRIZE
Product : vip dal tadka
Remark :

XCMOIV

Gross Wt	19.540 Kg
Core Wt	0.570 Kg
Net Wt	18.970 Kg

☎ +91 9898810572

PELICAN ENGITECH PRIVATE LIMITED

Saffron Industrial Park, Plot no - 30,31, Rajkot Kalavad Highway, Vill. Anandpar - 361162, Gujarat, India.

SOCKET HEAD CAP SCREW

Code : AA0103040-0000
Size : M10 X 1.5 X 40mm
GRADE : 12.9
MRP : 0.00
PKD ON : Jan-2021



100 Pcs / 3.10Kg

Customer Care : +91 9702488899
Email : info@pelicanengitech.com

PELICAN ENGITECH PRIVATE LIMITED

Saffron Industrial Park, Plot no - 30,31, Rajkot Kalavad Highway, Vill. Anandpar - 361162, Gujarat, India.

SOCKET HEAD CAP FULL THREAD SCREW

Code : AB0061008-0000
Size : M6 X 1 X 8mm
Grade : 12.9
MRP : 1,766.00
Pkd. On : Oct-2021



200 Pcs
21JU55614 0.797 Kg

Customer Care : +91 9702488899
Email : info@pelicanengitech.com

Mangalamm Polypack - Rajkot
GATTU BATTU
Date : 25-Apr-22 Roll No : 1
Weight : 21.31 Core : 0.56
Net : 20.75
MAMMA GRUH UDHYOG

Mangalamm Polypack - Rajkot
RATLAMI SEV
Date : 25-Apr-22 Roll No : 29
Weight : 21.31 Core : 0.40
Net : 20.91
SHREE HARI NAMKEEN VIRNAGAR

Mangalamm Polypack - Rajkot
RATLAMI SEV
Date : 25-Apr-22 Roll No : 28
Weight : 21.31 Core : 0.40
Net : 20.91
SHREE HARI NAMKEEN VIRNAGAR

Taj Instruments
Rajkot, Gujarat- India.

Name : Item Name
Code : ItemCode
Size : 10x2
GRADE : 12.9
MRP : 12.00
PKD ON : Jan-2021

50 Pcs 4.10 Kg

Customer Care : +91 9328511234
Email : tajinstruments@gmail.com

Roll No	Size : 180 mm	Date : 17/12/2021
52	Operator : gaurang	

Job Name : ABCDEF1245

Gross Weight	Core Weight	Net Weigh
533.420 Kg	010.250 Kg	523.170 Kg

BALAJI MASALA WEFERS

Weight : 6.100
Core : 0.870
Net : 5.230
Code : KR Size : 100 GM

22DI60014

Mangalamm Polypack - Rajkot
ALU SEV RS. 5
Date : 25/04/2022 Roll No : 6
Weight :
Net : 25.22 Core : 0.00
SHREE HARI NAMKEEN VIRNAGAR

Mangalamm Polypack - Rajkot
BHAVNAGARI GATHIYA RS.5
Date : 25/04/2022 Roll No : 22
Weight :
Net : 12.50 Core : 0.00
SHREE HARI NAMKEEN VIRNAGAR

Mangalamm Polypack - Rajkot
ALU SEV RS. 5
Date : 25/04/2022 Roll No : 5
Weight :
Net : 25.22 Core : 0.00
SHREE HARI NAMKEEN VIRNAGAR

Mangalamm Polypack - Rajkot
BHAVNAGARI GATHIYA RS.5
Date : 25/04/2022 Roll No : 29
Weight :
Net : 20.91 Core : 0.40
SHREE HARI NAMKEEN VIRNAGAR

PUL-SAR 150ccc. DTSi (STD) (EX)
22DI594489
Code : RR
Coore : Net : Head:500
1.755 GM
Weight :0.0:0
BALAJI MASALA WEFERS

PROCLEAN

Name : TOILET BRUSH W CONTAINER SQUARE

Code : G316
Quantity : 24.00
Gross : 4.850
Color : MIX
MRP : 220.00
OC : DD
Box Code : 1013
Customer Care Executive : +91 9099088708

Box No : _____
Verified By : _____

Roll No	Size : 180 mm	Date : 17/12/2021
52	Operator : gaurang	

Job Name : ABCDEF1245

Gross Weight	Core Weight	Net Weigh
533.420 Kg	010.250 Kg	523.170 Kg

LUMEN FLEXIPRINT LLP.

Roll No **B004**
Date : 28/05/2025
Direction : Readable
Size : : 300 mm
BVFFKR

Company : Balaji Wafers
Product : Balaji Masala Wafers 5 Rs
Remark :

Gross Wt	Core Wt	Net Wt	Mtr
9.950 Kg	1.800 Kg	8.150 Kg	4560

☎ +91 87588 27327 lumenflexiprint@gmail.com

High Accuracy Error Free Labels	Fast Printing Time Saving	Fully Customizable As per Requirement	Barcode & QR Code Support	Reliable & Durable Print Quality

Customer Care
+91 9328511234
+91 8511201789

Website
www.tajinstruments.in
www.tajinstruments.com

Email
sales@tajinstruments.in
tajinstruments@gmail.com

Location
Rajkot, Gujarat - India.

TAJ INSTRUMENTS – WEIGHING TODAY FOR A BETTER TOMORROW

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BLUETOOTH WEIGHING SCALE

WITH ANDROID APP

DATA LOGGER

Bluetooth® SMART

REAL TIME WEIGHT
View live weight on Mobile App

CONTROL FUNCTIONS
Operate Tare & Mode directly from App

DATA LOGGER
Automatically log weight with Date & Time

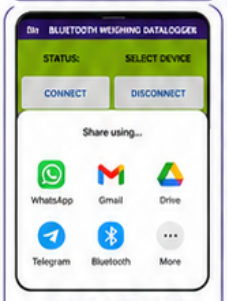
SAVE & SHARE
Save & Share data in Excel (.CSV) format

BLUETOOTH CONNECTIVITY
Stable connection up to 7-8 meters range

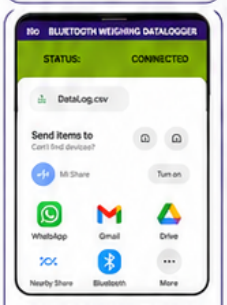
APP PREVIEW



MAIN SCREEN



SHARE & EXPORT



SAVE AS EXCEL (.CSV)



BLUETOOTH RANGE **7-8 METERS**

SPECIFICATIONS

Connectivity	:	Bluetooth
App Platform	:	Android
App Name	:	iLOG
Data Logging	:	Yes
Data Export	:	Excel (.CSV)
Control Functions	:	Tare / Mode
Range	:	7-8 Meters
Compatibility	:	TAJ Weighing Systems

IDEAL FOR

- INDUSTRIAL WEIGHING
- LOGISTICS & TRANSPORT
- WAREHOUSE & DISPATCH
- PRODUCTION MONITORING
- QUALITY CONTROL

⚠ IMPORTANT NOTE

- Trial Version: Only 10 Data Entries Allowed
- Full Version Available for Unlimited Data Logging

UPGRADE TO FULL VERSION FOR UNLIMITED DATA LOGGING

For Product Inquiry Call or WhatsApp:
+91 8511201789
+91 9328511234

Website:
www.tajinstruments.in
www.tajinstruments.com

Location:
Rajkot, Gujarat

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INDUSTRIAL DIGITAL WEIGHING SCALE
WITH USB DATA LOGGER

DATA SAVED ONLY BY PRESSING THE BUTTON

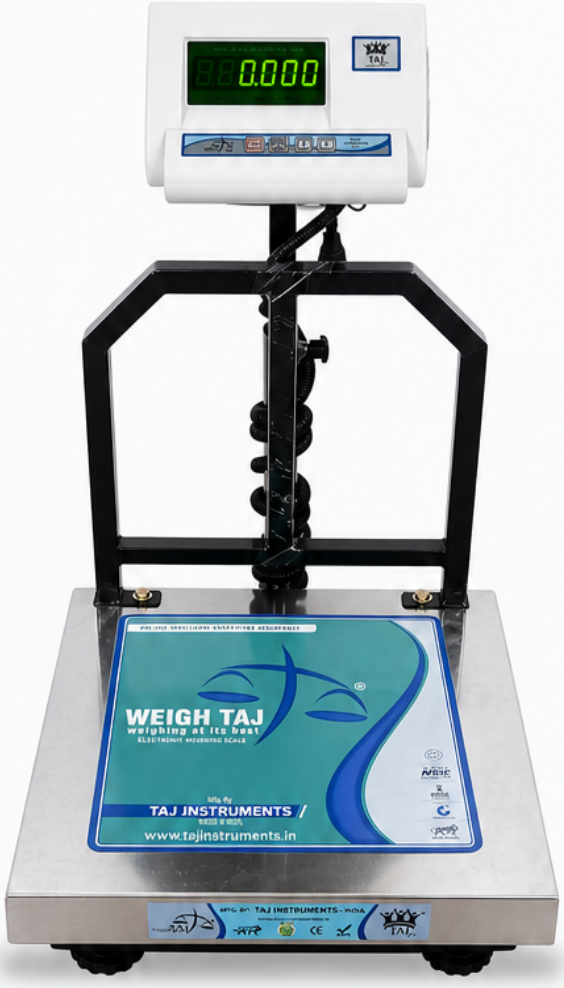


HOW IT WORKS (BY PRESSING THE BUTTON)



EXCEL FILE (CSV FORMAT)

Sr. No.	Date	Time	Weight (kg)
1	25-05-2024	10:15:30	25.350
2	25-05-2024	10:16:45	50.125
3	25-05-2024	10:18:10	102.650
4	25-05-2024	10:19:35	200.000
...	...	...	...



FEATURES

- Data saved only by pressing SAVE button
- Inbuilt USB Data Logger
- Excel File Generation (CSV Format)
- Sr. No., Date, Time & Weight Recording
- High Accuracy Industrial Indicator
- Heavy Duty Platform
- Easy Data Transfer via Pendrive
- Suitable for Audit & Record Keeping

AVAILABLE OPTIONS

COMPLETE PLATFORM SCALE WITH INDICATOR



ONLY WEIGHING INDICATOR (USB DATA LOGGER)



NO COMPUTER REQUIRED DURING WEIGHING

NO MANUAL ENTRY ERRORS

100% DIGITAL RECORD

APPLICATIONS

Warehouse Dispatch | Production Monitoring | Packing Units | Inventory Control | Logistics & Transport | Quality Inspection

TECHNICAL SPECIFICATIONS

Display	0.56" Green LED (0.0000)
Data Format	CSV (Excel Compatible)
Storage	USB Pendrive
Interface	Plug & Play
Power Supply	230V AC
Accuracy	High Precision Industrial Grade

SMART WEIGHING + SMART DATA = COMPLETE CONTROL

For Product Inquiry Call / WhatsApp:
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GUJARAT, INDIA

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ACCURATE WEIGHING SMARTER CONNECTIVITY

Advanced Weighing Solutions for Modern Industries

BLUETOOTH CONNECTIVITY
Wireless data transfer to Mobile, PC & Software

HIGH ACCURACY
Advanced load cell & indicator for precise weighing

STRONG & DURABLE
Heavy duty mild steel structure with powder coated finish

MULTI PURPOSE USE
Ideal for industrial, commercial & logistics applications

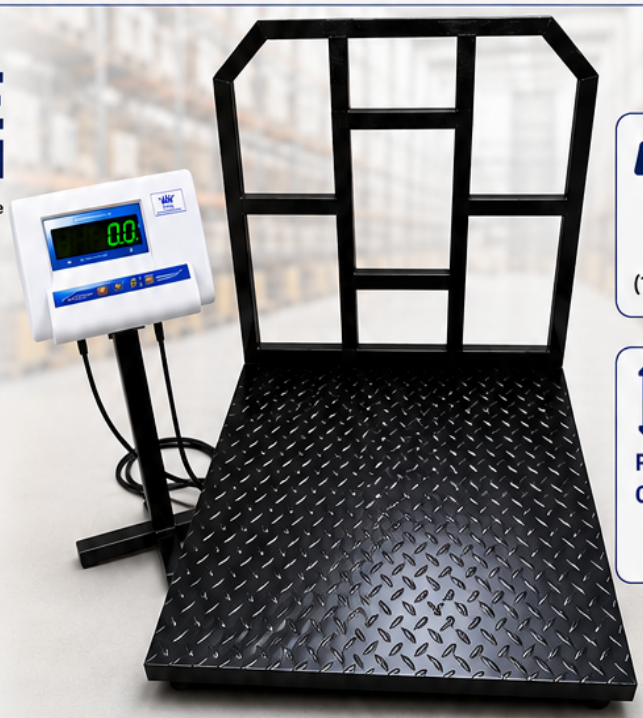
SMART INTEGRATION
Connects with ERP, Billing, Excel, App, Printer & more

HEAVY DUTY PLATFORM SCALE

STRONG • ACCURATE • RELIABLE

Designed for industrial environments, Weigh Taj Platform Scale delivers accurate & consistent results even in toughest conditions. With Bluetooth connectivity, it ensures seamless data transfer and better productivity.

- **High Precision Load Cells**
  For consistent & accurate performance
- **Bluetooth Wireless Data Transfer**
  Eliminates cable hassle, improves efficiency
- **Robust Steel Structure**
  Heavy duty industrial design for long life
- **Large LED Display Indicator**
  Bright, clear & easy to read
- **Easy Integration**
  Works with software, apps, printers & more
- **Customizable Options**
  Platform size, capacity & features as per requirement



CAPACITY
100kg TO 10000kg
(100kg – 10 Ton)

PLATFORM SIZE CUSTOMIZABLE
as per requirement

HOW IT WORKS – SIMPLE & SMART

1. **LOAD ON PLATFORM** — Material is placed on the platform.
2. **LOAD CELL** — Load cell detects the weight applied.
3. **INDICATOR** — Indicator processes the signal & shows accurate weight.
4. **BLUETOOTH** — Weight data is sent wirelessly via Bluetooth.
5. **DEVICES / SOFTWARE** — Data received on Mobile, PC, Software, Excel, ERP or any system.

BLUETOOTH CONNECTIVITY

Mobile / Tablet
PC / Laptop

Billing Software | Excel / ERP | Label / Printer

Supports Android App, Windows Software, Excel, ERP, Label Printer & more.

Bluetooth Range: 7 to 10 Meters

EXAMPLES OF USE

WAREHOUSE	:	Stock in/out weighing & data logging
DISPATCH	:	Instant weight transfer to billing software
FACTORY	:	Production & batch weighing
LOGISTICS	:	Parcel / consignment weighing
RETAIL	:	Billing scale connected to POS system
QUALITY DEPT	:	Record weight in Excel / ERP
CHEMICAL	:	Raw material batching & formulation
FOOD INDUSTRY	:	Packing, labeling & quality control 2°C to 50°C
Applications	:	Industrial, Commercial, Warehouse, Logistics, Retail, etc.

BENEFITS FOR YOUR INDUSTRY

- Wireless data transfer – No cables, no damage
- Reduces manual errors & increases productivity
- Real time data – Faster decision making
- Easy installation & long range connectivity
- Clean & safe working environment
- Lower maintenance & operating cost
- Ideal for Industry 4.0 & smart automation
- Seamless integration with existing systems

INDICATOR FEATURES



- Large Bright LED Display
- Rechargeable Battery Option
- Tare, Zero, Gross/Net
- High Resolution & Fast Response
- Overload Protection
- User Friendly Operation

TECHNICAL SPECIFICATIONS

Capacity Range	:	100kg to 10000kg (100kg – 10 Ton)
Readability	:	10g / 20g / 50g / 100g / 200g / 500g / 1kg (As per capacity)
Platform Size	:	Customizable (As per requiremmet)
Load Cell Type	:	High Precision Strain Gauge Load Cell
Material	:	Mild Steel with Powder Coated Finish
Display	:	Bright LED Display
Power Supply	:	AC 230V ±10% / Rechargeable Battery (Optional)
Communication	:	Bluetooth (Class 2)
Operating Temp.	:	0°C to 50°C
Applications	:	Industrial, Commercial, Warehouse, Logistics, Retail, etc.

BLUETOOTH RANGE

7 to 10 Meters
Clear & stable range for reliable data transfer

BASIC SPECIFICATIONS

Stability Time	:	≤ 2 Seconds
Zero Tracking	:	Automatic
Tare Range	:	Full Capacity
Overload Capacity	:	150% of F.S.
Accuracy Class	:	III
Display Digits	:	6 Digits (0.56" LED)
Platform Construction	:	Mild Steel
Finish	:	Powder Coated

Note: In Some Applications Weighing Display Indicators Will be In ABS and some in Metal Body

Call For Product Inquiry: 9328511234
Website: www.tajinstruments.in www.tajinstruments.com
Location: Rajkot, Gujarat

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weighing at its best

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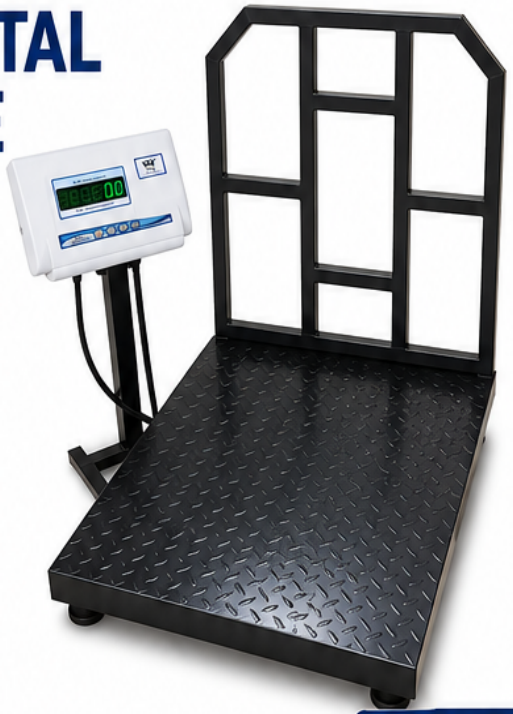
INDUSTRIAL DIGITAL WEIGHING SCALE

WITH CLOUD DATA LOGGER

SMART WEIGHING • CLOUD CONNECTED • DATA DRIVEN

Industrial Digital Weighing Scale with Cloud Data Logger is an advanced weighing solution that captures, stores and monitors weight data in real-time and uploads it securely to the cloud. It helps industries ensure accuracy, traceability, compliance and improved productivity.





ACCESS YOUR DATA
ANYTIME, ANYWHERE

WHAT IS IT?

It is an industrial weighing scale integrated with a data logger and cloud connectivity (Wi-Fi / 4G / LAN). It automatically records every weight transaction with time, date, ID, product/batch details and uploads it to a secure cloud server for storage, monitoring and reporting.

HOW IT WORKS

1. WEIGHING
Material is placed on the scale. Weight is measured with high accuracy.

2. DATA CAPTURE
Weight data along with time, date, ID and other parameters is captured automatically.

3. DATA UPLOAD
Data is transmitted to the cloud via Wi-Fi / 4G / LAN in real-time.

4. CLOUD STORAGE
Data is securely stored in the cloud with backup and high availability.

5. ACCESS & REPORTS
View live data, history, analytics and reports anytime, anywhere on any device.

KEY FEATURES

- High accuracy & stable performance
- Built-in Data Logger
- Cloud connectivity (Wi-Fi / 4G / LAN)
- Real-time data upload
- Remote monitoring & control
- Multi-user access with secure login
- Data reports – Excel / PDF / CSV
- Custom fields – Item ID, Batch No., Operator, Vehicle No. etc.
- Alerts & notifications (Low / High / Error)
- Easy integration with ERP / MIS / SAP

WHY CLOUD DATA LOGGER?

NO MANUAL ENTRY
Automatic data logging reduces human error and wrong entries.

LIVE MONITORING
Monitor weighing operations from anywhere, anytime.

DATA SAFETY & SECURITY
Cloud backup ensures data is safe, no risk of data loss.

BETTER TRANSPARENCY
Every transaction is recorded with full traceability.

EASY REPORT GENERATION
Generate Excel, PDF & custom reports instantly.

AUDIT & COMPLIANCE READY
Helps in ISO, quality systems, audits and legal compliance.

EXAMPLES OF APPLICATION

INDUSTRY	APPLICATION	BENEFIT
STEEL PLANT	Weighing of scrap & raw material	Accurate records, less material loss, better traceability
WAREHOUSE & LOGISTICS	Inward / Outward weighment	Stock control, dispatch verification, easy inventory management
CEMENT PLANT	Bag filling & load out weighing	Consistent quality, report automation, reduced disputes
CHEMICAL PLANT	Batch process weighing	Formula accuracy, compliance, audit ready data
AGRICULTURE	Farmer produce weighing	Transparent records, quick payments, trust building

BENEFITS

- 100% data accuracy and reliability
- Real-time monitoring from anywhere
- Paperless operations & cost saving
- Improved productivity & efficiency
- Better inventory & process control
- Easy compliance & audit readiness
- Data security with cloud backup
- Scalable solution for growing business

YOUR DATA IS SAFE WITH SECURE CLOUD STORAGE & ENCRYPTION

COMMUNICATION OPTIONS

WIFI	LAN / ETHERNET	4G	RS485 + GATEWAY	MODBUS
Wireless Connection	TCP/IP Stable Network Communication	4G SIM Network Ideal for Remote Locations	Long Distance Industrial Communication	MODBUS TCP/IP Easy Integration with PLC & Automation

TYPICAL USES

- Raw Material Weighing
- Inward / Outward Weighing
- Vehicle Weighing
- Batching & Formulation
- Production Monitoring
- Stock Management
- Packing & Dispatch
- Quality Control
- Audit & Compliance
- MIS & ERP Integration

NOTE: In Some Applications Weighing Display Indicators Will be in ABS Body and Some in Metal Body Depending on Industrial Application Requirement.

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Location: Rajkot,Gujarat

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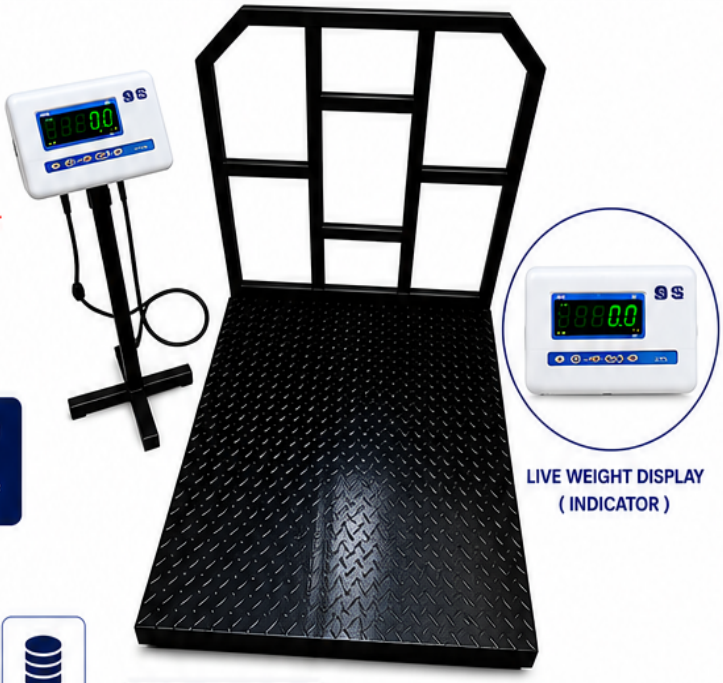
MFG.BY: TAJ INSTRUMENTS-INDIA

INDUSTRIAL DIGITAL WEIGHING SCALE

WITH COMPUTER DATA LOGGER WITH SOFTWARE

SMART WEIGHING • SMART RECORDING • SMART MANAGEMENT

Advanced weighing solution with live data transfer to computer software for automatic data logging, record keeping, reporting, and industrial process automation.



LIVE WEIGHT DISPLAY (INDICATOR)

- LIVE WEIGHT TRANSFER TO PC
- AUTOMATIC DATA LOGGER
- REPORTS & EXPORTS
- CHALLAN & LABEL PRINTING
- SEARCH & HISTORY

HOW IT WORKS

1. Weight on Scale → 2. Weight Indicator → 3. RS232 / USB / Ethernet / WIFI / Bluetooth / MODBUS → 4. Computer Software → 5. Data Storage & Reports

Weight is captured by the scale, transferred to computer software, stored automatically and reports are generated.

USES IN INDUSTRIES (EXAMPLES)



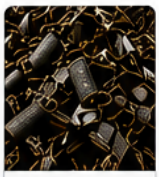
WAREHOUSE / LOGISTICS
- Vehicle Weighing
- Inward / Outward
- Gross, Tare, Net Weight
- Fast & Accurate Records



CHEMICAL INDUSTRY
- Batch Weighing
- Raw Material Mixing
- Accurate Formula
- Batch Traceability



PACKING INDUSTRY
- Live Weight Monitoring
- Each Bag Record
- Production Reports
- Less Manpower



STEEL / SCRAP YARD
- Vehicle Weighing
- Prevent Cheating
- Digital Records
- Easy Billing & Reports

KEY FEATURES

- Live weight transfer to computer
- Automatic weight data logging
- Excel / CSV Export
- PDF Report Generation
- Delivery Challan & Invoice Printing
- Label & Barcode Printing
- Gross, Tare, Net Calculation
- User Management
- Search & History Records
- Multi-Device & Multi-Scale Support
- PLC / ERP / Tally / Software Integration
- Cloud / Network Support (Optional)
- Stable Weight Capture
- Customizable as per Requirement

BENEFITS

- Reduces Human Error
- Saves Time & Increases Efficiency
- Accurate & Reliable Records
- Easy Report & Data Management
- Improves Productivity
- Prevents Data Manipulation
- Supports Industry 4.0 Automation
- Full Traceability & Transparency
- Easy Integration with ERP / Software / PLC

COMMUNICATION TYPES SUPPORTED

RS232	USB	ETHERNET	WIFI	BLUETOOTH	MODBUS RTU	MODBUS TCP/IP
Serial Communication	Simple PC Connection	TCP/IP Network	Wireless Connectivity	Mobile / Tablet Connection	RS485 Industrial Automation	Industrial Ethernet

SYSTEM OVERVIEW



INDUSTRIES WE SERVE



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Website: www.tajinstruments.in / www.tajinstruments.com

Location: **Rajkot, Gujarat**

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DIGITAL WEIGHING SCALE WITH EXCEL DATA LOGGER

ACCURATE • RELIABLE • EFFICIENT

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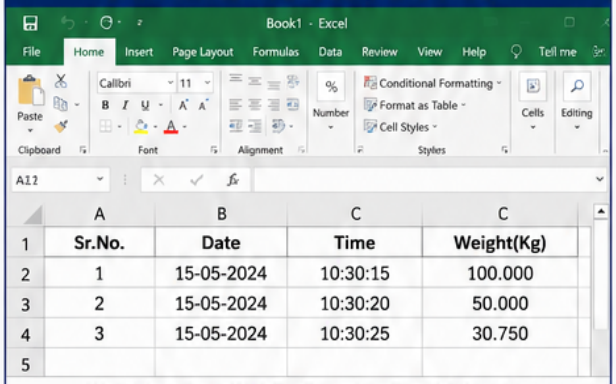
weighing at its best

DATA SAVED IN EXCEL (REAL TIME)



	A	B	C	C
1	Sr.No.	Date	Time	Weight(Kg)
2	1	15-05-2024	10:30:15	100.000
3	2	15-05-2024	10:30:20	50.000
4	3	15-05-2024	10:30:25	30.750
5				

Weighing Data Will Be Saved in Excel File with
Real Time, Date & Weight

GREEN LED DISPLAY

Clear & Bright 6 Digit
Green LED Display



HOW IT WORKS

01 PLACE ITEM ON SCALE
Place the item on the weighing platform. Weight will be displayed instantly on the green LED display.

02 WEIGHT CAPTURE
The stable weight is captured automatically.

03 DATA TRANSFER
Connect the scale to PC using USB RS232 cable.

04 SAVE IN EXCEL
Data is transferred and saved directly in Excel with Date, Time & Weight.

05 EASY RECORD KEEPING
All records are stored for future reference, analysis & reporting.

KEY FEATURES

- Weighing Data Will Be Saved in Excel File with Real Time, Date & Weight thru USB RS232
- With Data Logger Server Software
- Weighing Data Saved in CSV Format
- Green LED Display for clear visibility
- High accuracy & reliable performance
- Easy to operate & user friendly

IDEAL FOR

INDUSTRIAL · WAREHOUSE · LOGISTICS · RETAIL · AGRICULTURE

PLATFORM SIZE & WEIGHING CAPACITY TABLE

PLATFORM SIZE	FRAME PIPE	MAX CAPACITY	ACCURACY (e)	READABILITY
400x400mm	32mm MS	50Kg	5g	20g
400x400mm	32mm MS	100Kg	10g	40g
500x500mm	32mm MS	100Kg	10g	50g
500x500mm	32mm MS	200Kg	20g	100g
600x600mm	32mm MS	100Kg	10g	50g
600x600mm	32mm MS	200Kg	20g	100g
600x600mm	32mm MS	300Kg	50g	150g

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8511201789 / 9328511234

Website:
www.tajinstruments.in
www.tajinstruments.com

Location:
Rajkot, Gujarat

WEIGH TAJ®
weighing at its best

MFG.BY: TAJ INSTRUMENTS-INDIA

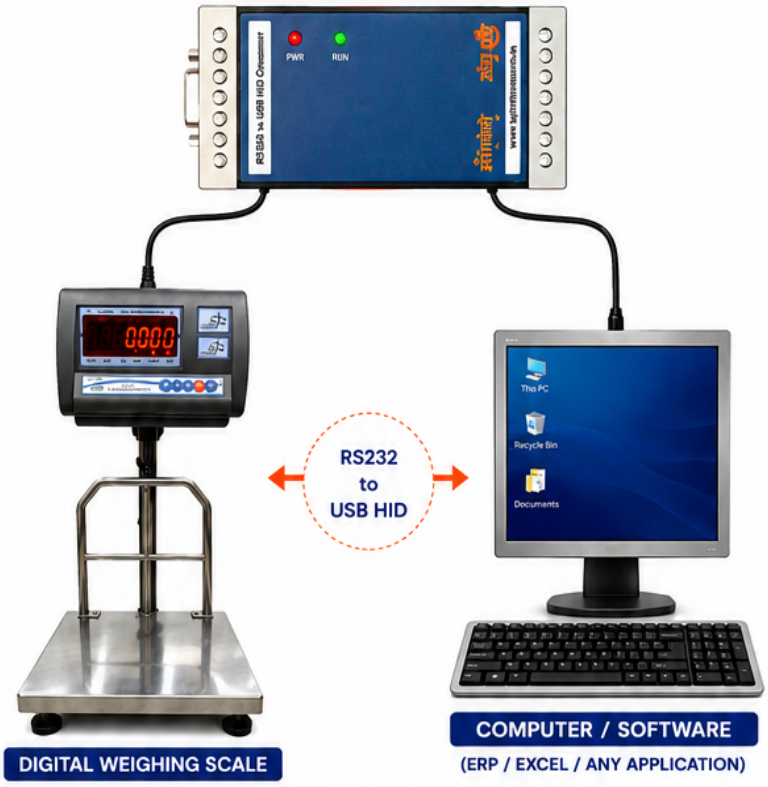
RS 232 TO USB HID CONVERTER

USB HID Converter allows a Digital Weighing Scale to automatically type live weight into computer software exactly like a USB keyboard, without manual typing.

WEIGHT DATA IS DIRECTLY TRANSFERRED TO THE CURSOR IN REAL-TIME, ENSURING IMMEDIATE AVAILABILITY AND USABILITY OF THE DATA.

Connectivity
Compatible with all Windows operating systems.

Plug and Play
No driver required for installation.



DIGITAL WEIGHING SCALE

RS232 to USB HID

COMPUTER / SOFTWARE
(ERP / EXCEL / ANY APPLICATION)

HOW IT WORKS

LOAD CELL → WEIGHING INDICATOR → RS232 TO USB HID CONVERTER → COMPUTER / ERP / EXCEL

The weighing scale sends weight data through RS232 to the USB HID Converter.
The converter changes the data into keyboard typing output.
The computer detects it as a USB Keyboard and the weight is automatically typed in any software.

HOW IT WORKS – STEP BY STEP

1. **Weight is Measured** — The load cell measures the material weight.
2. **Indicator Processes Weight** — The weighing indicator converts load cell signal into digital weight.
3. **RS232 Serial Data is Generated** — The weighing indicator sends live weight data through RS232 port.
4. **USB HID Converter Reads Data** — The converter receives serial data from the weighing scale indicator.
5. **Data Converted to USB Keyboard Output** — The converter changes weight data into keyboard typing commands.
6. **Weight Auto Types in Software** — The weight automatically types in Excel, ERP, Billing software or any application.

PRODUCT FEATURES

Sequence of Operation	• Place the weight scale on a stable surface. • Ensure the USB connection is properly established between the weight scale and the computer/device.
Dual Transfer Mode	• **Manual Transfer Mode:** Press the star (*) key to manually initiate data transfer, providing control over the weighing process. • **Auto Transfer Mode:** Automatically transfers stable weight data, ensuring convenience and efficiency.
Data Transfer	• In both manual and auto modes, the weight data will be transferred through USB HID to the connected computer/device. • The data is transmitted in a format recognized by the receiving software, ensuring compatibility and ease of use.
Versatile Application	• Suitable for a wide range of applications, including industrial, commercial, and laboratory settings where precise weight data is critical.
Data Integrity	• The system is designed to avoid human mistakes and prevent data manipulation. • The weight data is directly transferred from the scale to the computer/device, ensuring accurate and unaltered data.
Accurate Data Transfer	• Utilizes USB HID for reliable and precise data transmission directly to your computer or device, eliminating the need for additional software or drivers.
User-Friendly Interface	• Simple and intuitive operation with minimal steps, making it easy for users of all experience levels to operate the scale.

APPLICATIONS

- Industrial Platform Scales
- ERP Integration
- Dispatch Systems
- Packing Machines
- Warehouse Management
- Courier Systems
- Inventory Systems
- Production Monitoring
- SAP Integration
- Barcode & Weight Combined Systems
- Pharmaceutical Weighing
- Food Industry
- Chemical Industry

DIFFERENCE BETWEEN USB SERIAL AND USB HID

FEATURE	USB SERIAL	USB HID
Driver Required	Yes Sometimes	Usually No
Software Needed	Yes	Mostly No
Works Like Keyboard	No	Yes
Easy for Excel	Medium	Very Easy
Integration Complexity	Higher	Lower
Plug & Play	Limited	Excellent

WHY USB HID CONVERTER?

- No Special Software Required
- Eliminates Manual Typing
- Reduces Human Error
- Faster Production Operation
- Easy Integration with Any Windows Software
- Plug & Play Operation
- Compatible with Existing Scales
- Accurate & Reliable Data

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RS232 TO USB HID CONVERTER

FOR DIGITAL WEIGHING SCALE

AUTOMATIC WEIGHT DATA TRANSFER

FAST • ACCURATE • RELIABLE

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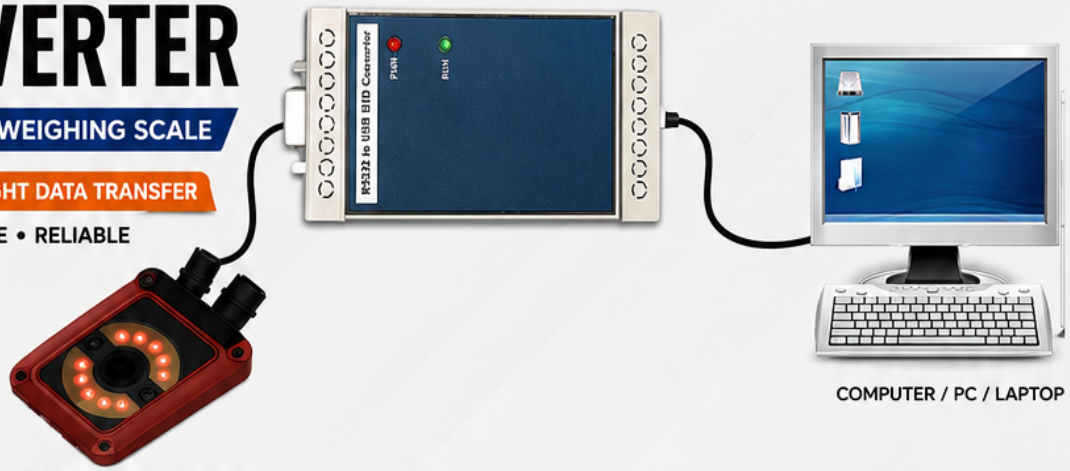


PART MARK READER / SCANNER

COMPUTER / PC / LAPTOP

.PART MARK READER & SCANNER TO TRANSFER DATA DIRECTLY TO THE CURSOR IN REAL-TIME, ENSURING IMMEDIATE AVAILABILITY AND USABLITY OF THE DATA.

Connectivity
Compatible with all Windows operating systems.

Plug and Play
No driver required for installation.

HOW IT WORKS



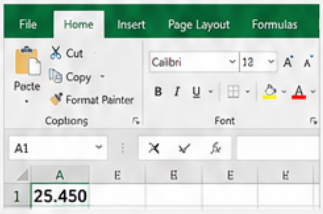
1. WEIGHING SCALE GENERATES WEIGHT
2. DATA SENT THROUGH RS232 SERIAL PORT
3. CONVERTER CHANGES SERIAL DATA TO USB HID
4. WEIGHR AUTOMATICALLY TYPED IN COMPUTER

EXAMPLE

When weight becomes stable, the converter automatically types

25.450

directly into Excel, ERP, Billing Software, Tally, Web Forms or any application.



PRODUCT FEATURES

SEQUENCE OF OPERATION
- Scan the code or data through Part Mark Reader or Scanner.
- Ensure the USB connection is properly established between the Scanner and the computer/ PLC.

DUAL TRANSFER MODE
- Manual Transfer Mode: Press the star (*) key to manually initiate data transfer, providing control over the process.
- Auto Transfer Mode: Automatically transfers stable weight data, ensuring convenience and efficiency.

DATA TRANSFER
- In both manual and auto modes, the data will be transferred through USB HID to the connected computer/device.
- The data is transmitted in a format recognized by the receiving software, ensuring compatibility and ease of use.

DATA INTEGRITY
- The system is designed to avoid human mistakes and prevent data manipulation.
- The Data is directly transferred from the scanner to the computer/device, ensuring accurate and unaltered data.

ACCURATE DATA TRANSFER
- Utilizes USB HID for reliable and precise data transmission directly to your computer or device, eliminating the need for additional software or drivers.

USER-FRIENDLY INTERFACE
- Simple and intuitive operation with minimal steps, making it easy for users of all experience levels to operate the scale.

VERSATILE APPLICATION
- Suitable for a wide range of applications, including industrial, commercial, and laboratory settings where precise data is critical.

REAL INDUSTRIAL EXAMPLES



EXCEL DATA ENTRY
Weight automatically entered into Excel.
No manual typing.
No mistakes.



PACKING INDUSTRY
Every packet weight recorded automatically in packing software.
Fast & Accurate.



COURIER & LOGISTICS
Weight auto-enters in courier software.
Faster dispatch.
Accurate billing.



ERP / SAP INTEGRATION
Live weight directly entered in ERP / SAP for GRN, Dispatch & Warehouse systems.

APPLICATIONS

Industrial Weighing | Warehouses | Packing Machines | Dispatch Systems | ERP & Billing | Excel Data Logging | Courier & Logistics | Production Lines | Laboratory | Inventory Management

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WEIGHING SCALE PRINTER MODULE

ACCURATE PRINTING. SEAMLESS CONNECTIVITY. RELIABLE PERFORMANCE.

The Weighing Scale Printer Module enables direct printing of weight data from digital weighing scales, ensuring accurate and reliable documentation.



PLUG & PLAY
Easy installation and hassle-free operation

SEAMLESS CONNECTIVITY
Smooth communication with scales, printers, PCs & systems

HIGH PRECISION PERFORMANCE
Accurate, reliable & error-free printing every time

PRODUCT FEATURES

Seamless Weighing Scale Connectivity
The Weighing Scale Printer Module enables direct printing of weight data from digital weighing scales, ensuring accurate and reliable documentation.

Standardized Print Format
Supports industry-standard print formats, making it ideal for manufacturing, retail, laboratory, and industrial applications that require precise weight records.

Versatile Data Transfer
Compatible with USB and RS-232 interfaces, enabling real-time data transfer for automated printing and efficient record-keeping.

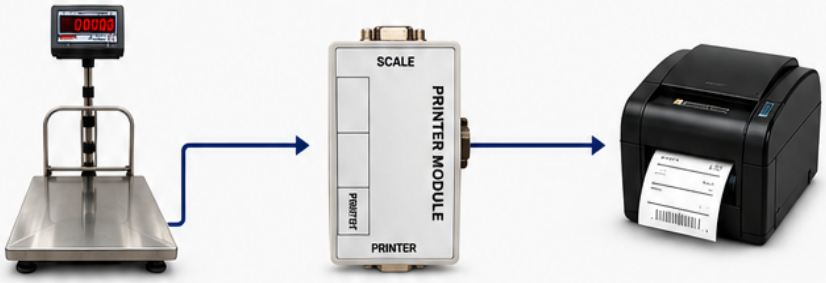
Plug-and-Play Functionality
This plug-and-play weighing scale printer module requires no additional software installation, ensuring hassle-free setup and operation.

High-Precision Performance
Designed for error-free printing and accurate weight data transfer, making it a reliable solution for any weighing system.

Compact & Durable Design
Built with high-quality materials for durability, making it suitable for heavy-duty applications.

Industries & Applications
The Weighing Scale Printer Module is ideal for multiple industries including: Industrial Automation, Manufacturing, Energy Management, Building Automation, Transportation & Logistics, Oil & Gas, Water Treatment & Utilities, Smart Grid Systems, Pharmaceuticals, Food Processing, HVAC Control Systems, Power Plants, Agriculture & Irrigation Systems, SCADA & Remote Monitoring, Automotive Industry.

WORKING & CONNECTION DIAGRAM



PLATFORM SCALE — PRINTER MODULE — PRINTER

Platform Scale is connected to the Printer Module, and the Printer Module is connected to the Printer to give direct command for printing.

COMMUNICATION METHODS

- RS232 Serial Communication
- USB Connectivity
- Ethernet TCP-IP
- WiFi Wireless
- Bluetooth Wireless

TYPES OF PRINTERS SUPPORTED



- Thermal Receipt Printer
- Label Printer
- Dot Matrix Printer

BENEFITS

- Automatic Record Keeping
- Improves Traceability
- Faster Dispatch & Billing
- Prevents Manipulation
- Better Professional System

INDUSTRY USE CASES

Cement Bag Filling Plant
Prints bag weight, batch no., date & time for every cycle.

Chemical Drum Filling
Prints product name, net weight, batch no. & manufacturing date.

Truck Weighbridge
Prints gross, tare, net weight, vehicle no. & material information.

Retail & Packing
Prints weight, MRP, barcode, date & product information.

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DIGITAL WEIGHING SCALE

WITH EXTERNAL RECEIPT & LABEL PRINTER

Industrial Digital Weighing Scale with External Receipt and Label Printer is an advanced weighing solution used in industries for accurate weight measurement along with automatic printing of receipts or labels. It helps in maintaining records, ensuring traceability, improving productivity and reducing manual errors.



RECEIPT PRINTER

LABEL PRINTER



HOW IT WORKS



1. MATERIAL PLACED ON SCALE
Load cell senses the weight.

2. INDICATOR PROCESSES WEIGHT
Indicator converts load cell signal into digital weight.

3. DATA SENT TO PRINTER
Via RS232 / USB / Ethernet / Bluetooth.

4. RECEIPT / LABEL PRINTED
Customized weight receipt or label printed.

TYPES OF PRINTING

RECEIPT PRINTING

Used for weight slips and transaction records.

WEIGHT RECEIPT

Date : 21/05/2024
Time : 10:30 AM
Vehicle : GJ 03 AB 1234

Gross Weight : 12,540 kg
Tare Weight : 4,320 kg
Net Weight : 8,220 kg

Operator : 01

Thank You !

LABEL PRINTING

Used for barcode labels, product identification and traceability.

PRODUCT : CHEMICAL POWDER
BATCH NO : CP240521
NET WEIGHT : 25.00 kg
MFG. DATE : 21/05/2024
EXP. DATE : 20/05/2026

8901234567890

COMMUNICATION OPTIONS

- RS232 Serial Port
- USB
- Ethernet TCP/IP
- Bluetooth (Optional)
- WiFi (Optional)

APPLICATION AREAS

- Warehouse & Inventory
- Dispatch & Logistics
- Food Packaging Industry
- Pharma Industry
- Chemical Industry
- Steel Industry
- Agriculture & Grain Industry
- Retail & Wholesale
- QC & Inspection
- Bag Filling & Packing Systems

INDUSTRIAL EXAMPLES

WAREHOUSE DISPATCH



Weight captured and receipt printed automatically. Helps in faster dispatch and accurate records.

FOOD PACKING INDUSTRY



After weighing each pack, barcode label prints automatically with batch number, MFG date and weight.

STEEL INDUSTRY



Labels printed with Heat Number, Grade, Weight and Batch ID for easy traceability.

CHEMICAL INDUSTRY



Drum weight with batch, hazerd details and QR code printed for safety and compliance.

KEY BENEFITS

- **Automatic Printing** – Saves time & improves efficiency
- **Error Reduction** – Eliminates manual writing mistakes
- **Traceability** – Easy tracking of products and batches
- **Barcode Support** – Supports inventory automation
- **Professional Records** – Better documentation & audit
- **Faster Packing & Dispatch** – Improves productivity
- **ERP / Software Integration** – Seamless data management

MAIN COMPONENTS

Load Cell	Senses weight
Weighing Indicator	Processes weight data
External Printer	Prints receipt / label
Thermal Paper / Sticker Roll	Printing media
Communication Cable	Transfers data
Software (Optional)	Custom label design & data management

PRINTER TYPES

THERMAL RECEIPT PRINTER



- Prints on thermal paper
- Fast printing
- Low maintenance
- Ideal for receipts & slips

THERMAL LABEL PRINTER



- Prints on sticker labels
- Supports barcode / QR code
- Ideal for product labeling
- Durable & long lasting

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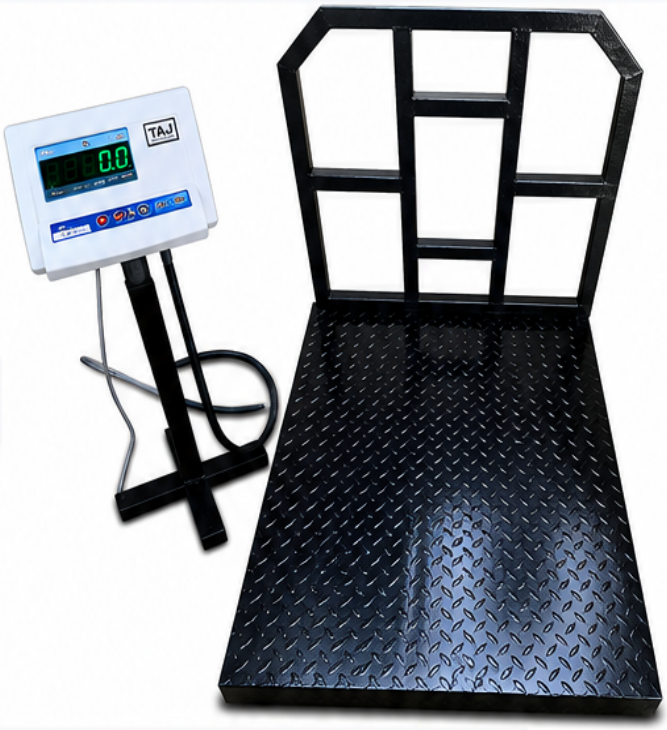
COMPLETE DIGITAL PLATFORM SCALE WITH MODBUS RTU RS485 FOR PLC COMMUNICATION

Advanced industrial weighing solution for automation, accuracy & productivity. Seamless communication with PLC, HMI, SCADA & industrial systems.



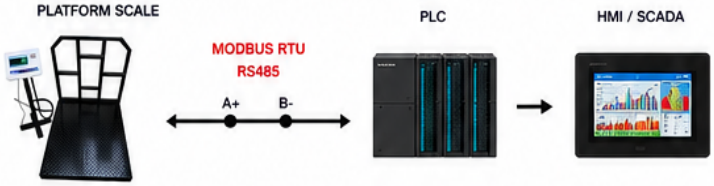
- **HIGH ACCURACY** — Accurate Weighing Performance
- **EASY PLC INTEGRATION** — Simple & Fast
- **MODBUS RTU RS485 OUTPUT** — Reliable & Stable Communication
- **INDUSTRIAL GRADE** — Heavy Duty Design
- **AC POWER SUPPLY** — 230V AC

KEY FEATURES



- Heavy Duty Mild Steel Structure
- High Accuracy Digital Load Cell
- Bright LED Display Indicator
- MODBUS RTU RS485 Output
- Easy Integration with PLC / HMI / SCADA
- Long Distance Communication (Up to 1200 Meter)
- Noise Resistant & Industrial Grade
- Tare, Zero, Gross/Net, Hold Functions
- Power Supply: 230V AC

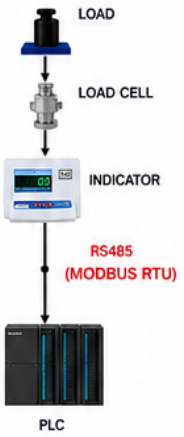
TYPICAL CONNECTION DIAGRAM



One PLC can connect multiple weighing scales on the same RS485 network.

HOW IT WORKS

1. Load is placed on the weighing platform.
2. Load cell converts weight into electrical signal.
3. Weighing indicator processes the signal.
4. Indicator converts weight into MODBUS RTU digital data.
5. Data transfers through RS485 cable to PLC.
6. PLC reads live weight and performs automatic operation.



MODBUS RTU DATA FORMAT & WEIGHT CALCULATION

MODBUS ADDRESS MAP

Modbus Address 4001 :	Higher Value 16 bit decimal
Modbus Address 4002 :	Lower Value 16 bit decimal
Modbus Address 4003 :	Divider Value
Modbus Address 4004 :	Sign

EXAMPLE

Suppose the weight on platform is 321.010 Kg,

Modbus Address 4001 :	262144
Modbus Address 4002 :	58866
Modbus Address 4003 :	1000
Modbus Address 4004 :	0

WEIGHT CALCULATION

PLC or system need to read these 4 value to get the weight

Weight = (Value 4001) + (Value 4002) / (Value 4003)

Weight = (262144 + 58866) / (1000)

Weight = 321.010 Kg

SIGN VALUE

If Sign Value ie (Value 4004 = 1) then multiply the weight with (-1)

Final Weight = Weight x (-1)

INDUSTRIAL APPLICATIONS

BAG FILLING MACHINE	CONVEYOR CHECK WEIGHING	TANK / HOPPER WEIGHING	CRANE SCALE SYSTEM	BATCHING & MIXING SYSTEM	DATA MONITORING & SCADA
					
Accurate filling based on live weight.	Checks weight and rejects out of range product.	Batching & process control for raw materials.	Live data monitoring, reporting & integration with SCADA / ERP.	Accurate batching of ingredients & mixing control.	Inventory control & weighing for shipping & receiving.

RS232 vs RS485

FEATURE	RS232	RS485
Distance	Short	Long (Up to 1200m)
Noise Resistance	Low	High
Multiple Devices	No	Yes
Industrial Automation	Basic	Best
PLC Communication	Limited	Widely Used

BENEFITS

- Long Distance Communication (Up to 1200 Meter)
- Noise Resistant & Stable Communication
- Multiple Devices on Single RS485 Network
- Fully Automatic Operation
- Better Accuracy & Productivity
- Reduced Manpower & Material Loss
- Easy Integration with PLC / HMI / SCADA

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DIGITAL WEIGHING INDICATOR / COMPLETE WEIGHING SCALE WITH MODBUS RTU RS485 FOR PLC COMMUNICATION

Advanced industrial weighing solution for automation, accuracy & productivity. Seamless communication with PLC, HMI, SCADA & industrial systems.



- **MODBUS RTU RS485 OUTPUT** — Reliable & Stable Communication
- **HIGH ACCURACY** — Accurate Weighing Performance
- **EASY PLC INTEGRATION** — Simple & Fast Integration
- **INDUSTRIAL GRADE** — Long Life & Heavy Duty Design
- **AC POWER SUPPLY** — 230V AC

KEY FEATURES

- Heavy Duty ABS / Mild Steel Housing
- High Accuracy A/D Conversion
- Bright Green LED Display
- MODBUS RTU RS485 Output
- Easy Integration with PLC / HMI / SCADA
- Long Distance Communication (Up to 1200 Meter)
- Noise Resistant & Industrial Grade
- Tare, Zero, Gross/Net, Hold Functions
- Power Supply: 230V AC

APPLICATIONS

BAG FILLING MACHINE



CONVEYOR CHECK WEIGHING



TANK / HOPPER WEIGHING



CRANE SCALE SYSTEM



BATCHING & MIXING SYSTEM



PACKING MACHINES



WAREHOUSE & LOGISTICS



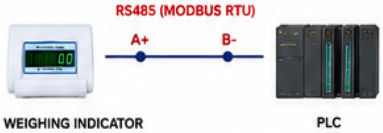
DATA MONITORING & SCADA



HOW IT WORKS



1. Load is placed on the weighing platform.
2. Load cell converts weight into electrical signal.
3. Weighing indicator processes the signal.
4. Indicator converts weight into MODBUS RTU digital data.
5. Data transfers through RS485 cable to PLC.
6. PLC reads live weight and performs automatic operation.



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If Sign Value ie (Value 4004 = 1) then multiply the weight with (-1)

Final Weight = Weight x (-1)

TYPICAL CONNECTION DIAGRAM



RS232 vs RS485

FEATURE	RS232	RS485
Distance	Short	Long (Up to 1200m)
Noise Resistance	Low	High
Multiple Devices	No	Yes
Industrial Automation	Basic	Best
PLC Communication	Limited	Widely Used

SUPPORTED FUNCTIONS (via MODBUS RTU)

- Live Weight Data
- Stable Weight Status
- Gross / Net Weight
- Tare Status
- Zero Status
- Motion Status
- Error / Alarm Status
- Device Information

BENEFITS

- Long Distance Communication (Up to 1200 Meter)
- Noise Resistant & Stable Communication
- Multiple Devices on Single RS485 Network
- Fully Automatic Operation
- Better Accuracy & Productivity
- Reduced Manpower & Material Loss
- Easy Integration with PLC / HMI / SCADA

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SMART WEIGHING.
SEAMLESS INTEGRATION.
BETTER AUTOMATION.

Connect, Monitor & Control your Weighing Process in Real Time with Modbus Communication.

CERTIFIED ISO 9001:2015 COMPANY | CE | RoHS

MFG.BY: TAJ INSTRUMENTS - INDIA

- **ACCURATE & STABLE** — High precision weighing for critical processes
- **SEAMLESS CONNECTIVITY** — Easy integration with PLC, SCADA, HMI, PC & ERP
- **REAL TIME DATA** — Live weight, status, alarms & commands in real time
- **RELIABLE & DURABLE** — Built for industrial environments with long term reliability
- **INDUSTRY 4.0 READY** — Supports automation, data logging & smart manufacturing

INDUSTRIAL WEIGHING SOLUTIONS WITH MODBUS

SMART | ACCURATE | RELIABLE

Our advanced weighing solutions are designed for seamless integration with PLC, SCADA, HMI, PC & Automation Systems through Modbus Communication.

Built for accuracy, performance and long-term reliability in industrial environments.

- 0.8" Green LED Display – High Visibility & Energy Efficient
- Strong Mild Steel Platform with Anti-Slip Chequered Plate
- High Accuracy Load Cell & Advanced Weighing Technology
- Easy Setup, Easy Integration, Low Maintenance



MODBUS COMMUNICATION TYPES

MODBUS RTU (RS485/RS232)
Reliable serial communication for industrial environments. Long distance, noise resistant and widely used in automation systems.

MODBUS TCP/IP (ETHERNET)
High speed Ethernet communication over TCP/IP network. Ideal for SCADA, PC software, cloud and Industry 4.0 applications.

MODBUS ASCII
Text based communication over serial interface. Easy to read and useful for legacy and debugging applications.

HOW IT WORKS – SIMPLE & EFFECTIVE

1. WEIGHING SCALE	2. MODBUS COMMUNICATION	3. MASTER DEVICE	4. REAL TIME RESULT
Measures load cell signal and calculates accurate weight	Scale sends weight data, status & alarms through Modbus (RTU / TCP / ASCII)	PLC / SCADA / HMI / PC reads data and sends commands if required	Display, Log, Control and Automate the entire process

LIVE WEIGHT DATA • STATUS • COMMANDS • ALARMS • LOGGING

REAL WORLD APPLICATION EXAMPLES

1. BATCHING & FILLING SYSTEMS

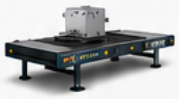
PLC reads live weight via Modbus and stops filling when target weight is reached.

2. TANK / HOPPER WEIGHING

Live weight data shows stock level in kg/ton on SCADA / HMI.

3. CHECK WEIGHING

Weight is read in real time and items are sorted as OK / Under / Over weight.

4. CONVEYOR WEIGHING

Continuous weight monitoring of materials for process control is reached.

5. WEIGHBRIDGE / PLATFORM SCALE

Weight data captured on PC software through Modbus for billing & reports.

6. DATA LOGGING & ERP INTEGRATION

Weight data logged in PC / Cloud and integrated with ERP / MIS systems.

WHY CHOOSE TAJ INSTRUMENTS WEIGHING SOLUTIONS?

- Advanced technology for accurate & stable weighing
- Multiple Modbus options for every industrial need.
- Easy integration with PLC, SCADA, HMI, PC & ERP
- Robust design for harsh industrial environments
- Custom solutions for all types of industries
- Excellent after sales support & technical assistance

IDEAL FOR INDUSTRIAL APPLICATIONS

- Batching & Filling Systems
- Tank / Hopper Weighing
- Check Weighing
- Conveyor Weighing
- Weighbridge / Platform Scale
- Data Logging & ERP Integration
- PLC / SCADA / HMI Integration
- Process Automation & Industry 4.0

NOTE: In some applications, weighing display indicators are available in ABS Body and in some applications they are available in Industrial Metal Body depending upon customers' industrial environment, usage conditions, durability requirements, and application needs.

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Location:
Rajkot, Gujarat

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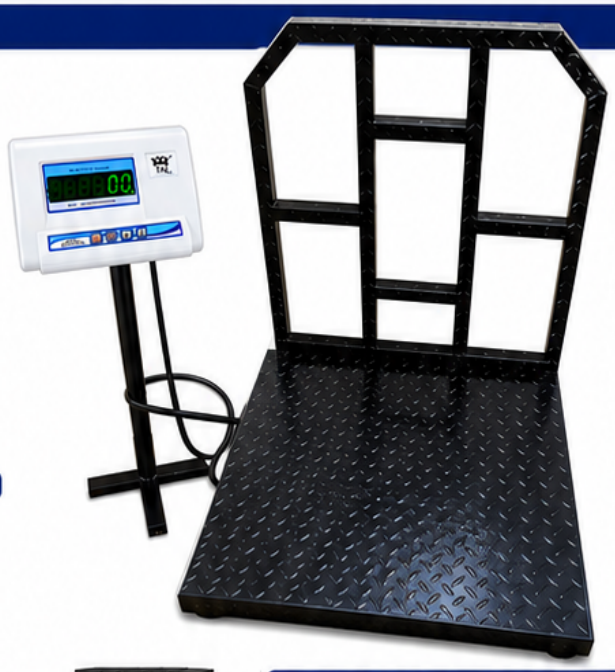
MODBUS TCP ETHERNET FOR PLC COMMUNICATION

REAL-TIME WEIGHT DATA | RELIABLE | ACCURATE | AUTOMATED

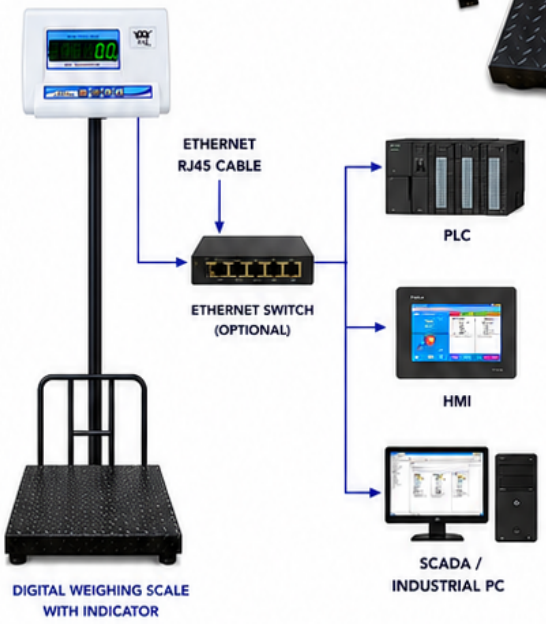
Our digital weighing solutions with MODBUS TCP IP communication enable seamless integration with PLC, HMI, SCADA and industrial systems over Ethernet network for fully automatic operation and real-time monitoring.



HOW IT WORKS (STEP-BY-STEP)

1. **LOAD ON SCALE**
   Material is placed on the scale. Load cells sense the weight.
2. **INDICATOR PROCESSES WEIGHT**
   Indicator converts the signal and stores weight in internal registers.
   Example: Weight = 1250.50 Kg
3. **ETHERNET COMMUNICATION**
   Indicator is connected to PLC through Ethernet (RJ45 LAN Cable). Indicator has IP Address and communicates on port 502 (MODBUS TCP).
4. **PLC REQUESTS DATA**
   PLC sends MODBUS TCP request to read weight register.
   Example: Read Register 40001
5. **INDICATOR SENDS WEIGHT**
   Indicator replies with live weight data.
   Example: Register 40001 = 1250.50 Kg
6. **PLC USES WEIGHT FOR AUTOMATION**
   PLC uses the weight for machine control, batching, filling, counting, alarms, data logging, reporting and more.

SYSTEM CONNECTION DIAGRAM



MODBUS TCP REGISTERS (EXAMPLE)

Register No.	Parameter	Data Type	Description
40001	Gross Weight	Float (32 Bit)	Live Gross Weight
40003	Net Weight	Float (32 Bit)	Live Net Weight
40005	Tare Weight	Float (32 Bit)	Current Tare Weight
40007	Status	Word (16 Bit)	Scale Status / Stable / Motion
40008	Command	Word (16 Bit)	Commands (Tare, Zero, Print, etc.)

*Registers may vary as per model.
Please refer to user manual for full register map.

INDUSTRIAL APPLICATIONS

- Automatic Bag Filling Machines
- Tank Weighing Systems
- Batching & Mixing Systems
- Conveyor Weighing Systems
- Liquid Filling Machines
- Check Weighing & Sorting Systems
- Crane Scales & Platform Scales
- Production Monitoring & Data Logging

FEATURES & BENEFITS

- ☑ High Speed & Real-Time Data Communication
- ☑ Easy Integration with All Major PLC Brands
- ☑ Long Distance Communication via Ethernet Network
- ☑ Multiple Systems Can Connect Simultaneously
- ☑ Stable, Reliable & Noise-Free Communication
- ☑ Supports SCADA, HMI, ERP & Cloud Systems
- ☑ Multiple Scales Can Be Integrated in Same Network
- ☑ Ideal for Industrial Automation & Industry 4.0

MODBUS RTU vs MODBUS TCP

Feature	MODBUS RTU (RS485)	MODBUS TCP (ETHERNET)
Communication Type	Serial Communication	Ethernet LAN Communication
Cable Type	Twisted Pair (RS485)	RJ45 Ethernet Cable
Speed	Medium	High
Distance	Long	Long (via Network)
Networking	Limited	Easy Networking
Device Connection	Daisy Chain	LAN / Switch Based
Integration	Basic Systems	Advanced Automation Systems
Data Transfer Speed	Slower	Faster
Industrial Usage	Standard	Modern Industry / Industry 4.0

HOW IT WORKS (EXAMPLE: BAG FILLING APPLICATION)



BENEFITS TO YOUR INDUSTRY

- ☑ Fully Automatic Operation
- ☑ Improves Accuracy & Productivity
- ☑ Reduces Manpower & Manual Errors
- ☑ Real-Time Live Weight Monitoring
- ☑ Better Process Control
- ☑ Complete Data Traceability
- ☑ Easy Expansion & Network Integration
- ☑ Ideal for Smart Factory & Industry 4.0

WHY CHOOSE WEIGH TAJ?

Weigh Taj digital weighing solutions with MODBUS TCP IP communication are designed for accuracy, reliability and industrial performance. Our scales easily integrate with PLC, SCADA, HMI and automation systems to improve your productivity and efficiency.

ACCURATE | RELIABLE | DURABLE
EASY TO INTEGRATE | MADE IN INDIA

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INDUSTRIAL MODBUS RS485 WEIGHING INDICATOR

HIGH PRECISION DIGITAL WEIGHING CONTROLLER WITH PLC CONNECTIVITY



Modbus

RS485 COMMUNICATION

INDUSTRIAL GRADE

MODBUS RTU RS485 | PLC / SCADA READY | HIGH ACCURACY | RELIABLE & STABLE

WHAT IS MODBUS?

MODBUS is an industrial communication protocol used to connect weighing indicators with PLC, SCADA, and automation systems.

- Reliable & proven industrial communication
- Real-time data transfer
- Widely used in automation industries
- Easy integration with PLC & SCADA systems

HOW MODBUS WORKS

1. Weighing Indicator sends weight data via RS485 communication.
2. PLC / Computer reads data using MODBUS registers.
3. Data can be used for automation, monitoring & control systems.

WHERE IT IS USED

- Industrial Automation
- PLC Based Systems
- Batching Plants
- Cement / Steel Plants
- Packaging Machines
- Process Control Systems
- Tank Weighing
- Conveyor Automation
- SCADA Monitoring



COMMUNICATION PARAMETERS

Protocol	:	MODBUS RTU
Interface	:	RS485 (Half Duplex)
Communication Type	:	Master - Slave
Device Role	:	Slave (Indicator)
Baud Rate	:	9600
Data Bits	:	8 Bit
Parity	:	None
Stop Bits	:	1
Address (Slave ID)	:	1 - 247
Transmission Mode	:	Binary (RTU)
Max. Cable Length	:	Up to 1200 Meters
Response Time	:	< 100 ms

MODBUS REGISTER MAPPING (HOLDING REGISTERS)

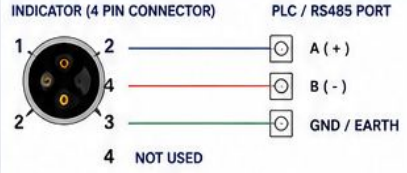
REGISTER	DESCRIPTION	DATA TYPE	FORMAT
4001	WEIGHT HIGH VALUE	UINT16	High Word
4002	WEIGHT LOW VALUE	UINT16	Low Word
4003	DIVIDER VALUE	UINT16	Unsigned
4004	SIGN BIT	UINT16	0 = Positive 1 = Negative

WEIGHT CALCULATION FORMULA

Weight = [(4001 × 65536) + (4002)] ÷ (4003)

IF SIGN BIT (4004) = 1, then multiply weight with (- 1)

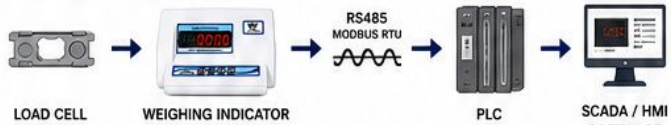
PLC CONNECTION (RS485)



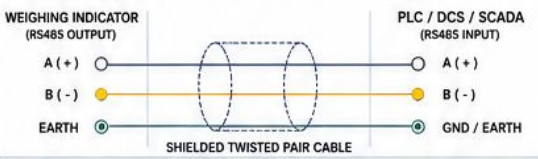
① WHITE	:	A (+)
② YELLOW	:	B (-)
③ GREEN	:	EARTH / GND
④ -	:	NOT USED

Note: Wiring colour code will vary.

DATA FLOW DIAGRAM



TYPICAL WIRING DIAGRAM (INDICATOR TO PLC)



REAL INDUSTRIAL USE CASES

BATCHING SYSTEM	:	PLC reads weight and stops filling at set value.
PACKAGING MACHINE	:	Auto cut-off at target weight for accurate packing.
TANK WEIGHING	:	Level monitoring via weight for liquid / solid storage.
CONVEYOR AUTOMATION	:	Dynamic weight control & product flow monitoring.
SCADA MONITORING	:	Live weight data on SCADA dashboard & reporting.

KEY ADVANTAGES

- Long distance communication (up to 1200m)
- Noise-resistant in industrial environment
- Multi-device support on same network
- Stable, reliable & industry proven
- Easy integration with any PLC / HMI / SCADA
- Reduces manual intervention & errors
- Ideal for automation & process control

COMMON CLIENT CHALLENGES & OUR SOLUTION

CHALLENGE	OUR SOLUTION
Manual reading & human error	Real-time automatic PLC reading
Wiring complexity	Simple 2-wire RS485 connection
Data logging & record	Direct SCADA / HMI integration
Accuracy issues	High precision digital measurement
Downtime in process	Stable communication & fast response

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LOCATION:
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INTRANET ETHERNET TCP/IP DATA COMMUNICATION

SMART WEIGHING SOLUTION FOR MODERN INDUSTRIES

WHAT IS INTRANET ETHERNET TCP/IP DATA COMMUNICATION?

Intranet Ethernet TCP/IP communication means the weighing scale or weighing indicator is **connected** to a company's **internal factory network (LAN)** using an **RJ45 Ethernet cable** and communicates weight data using **TCP/IP protocol.**

This allows the weighing scale to send live continuous weight data directly to:

- Industrial PC Software
- ERP Software
- PLC Systems
- SCADA Systems
- Production Monitoring Systems
- Warehouse Management Software
- Billing Software
- Central Server
- Multiple Computers inside factory network

without using manual weight entry.

HOW IT WORKS – STEP BY STEP

1 LOAD CELL MEASURES WEIGHT



Example:
500 Kg material loaded on platform.

2 INDICATOR CONVERTS SIGNAL



Example:
Display shows 500.25 Kg

3 ETHERNET TCP/IP MODULE SENDS DATA



Data travels through RJ45 Ethernet Cable, Network Switch, Factory Intranet Network.

4 SOFTWARE RECEIVES LIVE WEIGHT



Software screen shows live weight automatically.

Scale 1 = 500.25 Kg
Scale 2 = 1200.50 Kg
Scale 3 = 75.10 Kg

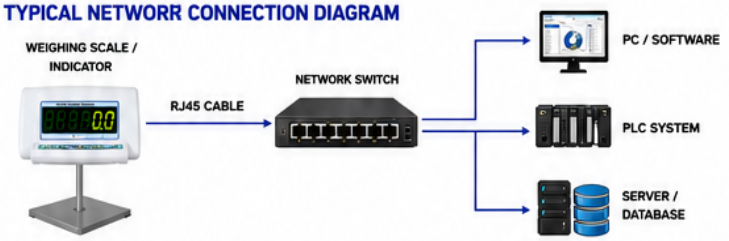
HOW TCP/IP WORKS IN WEIGHING SCALE

NETWORK SETTINGS (EXAMPLE)	
IP Address	192.168.1.150
Subnet Mask	255.255.255.0
Gateway	192.168.1.1
Port Number	5000

The weighing indicator gets IP Address, Subnet Mask, Gateway just like a computer or printer in factory network.

After configuration, the weighing scale can communicate through factory **LAN network.**

TYPICAL NETWORR CONNECTION DIAGRAM



WHAT IS TCP/IP IN SIMPLE LANGUAGE?

TCP/IP is the communication language used between devices on network. It ensures proper data transfer, reliable communication, fast communication and error-free transmission.

Just like WhatsApp sends messages between phones, TCP/IP sends weight data between weighing scale, PC, PLC and server.

WHY INDUSTRIES USE INTRANET ETHERNET TCP/IP?

- Live Weight Monitoring
- Software Integration
- PLC Automation
- Multiple Scale Networking
- Centralized Data Storage
- Real-Time Monitoring

INDUSTRIAL EXAMPLES – REAL INDUSTRIAL APPLICATIONS

1. WAREHOUSE DISPATCH SYSTEM

WITHOUT ETHERNET TCP/IP

- ✗ Operator reads weight
- ✗ Writes on paper
- ✗ Enters manually into computer

PROBLEMS:

- ✗ Slow process
- ✗ Human mistakes
- ✗ Wrong billing



WITH ETHERNET TCP/IP

- ✓ Weight automatically goes to dispatch software
- ✓ Invoice generated automatically
- ✓ Data stored automatically

FAST + ACCURATE + PROFESSIONAL

2. TANK WEIGHING SYSTEM

A chemical tank is mounted on load cells. Ethernet-connected weighing indicator continuously sends live tank weight to **SCADA software.**

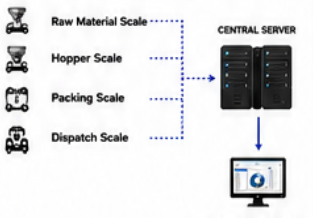


Operator can monitor:

- ✓ Filling quantity
- ✓ Consumption
- ✓ Tank balance
- ✓ High / Low level alarms

3. MULTI-SCALE FACTORY MONITORING

A steel plant has multiple weighing systems **connected through factory LAN network.**



Manager can monitor all scales from one central computer in real-time.

4. BATCH FILLING / PACKING AUTOMATION

In filling machine:

- Set target = 50 Kg
- When weight reaches 50 Kg
- PLC automatically stops motor/valve.



ACCURATE BATCH + ZERO MATERIAL LOSS

MAIN COMPONENTS REQUIRED

Load Cell	Measures weight
Weighing Indicator	Displays & processes weight
Ethernet TCP/IP Module	Network communication
RJ45 LAN Cable	Data transfer
Network Switch	Connect multiple devices
Industrial PC / PLC	Receives weight data

ADVANTAGES

- ✓ Live Continuous Weight Transfer
- ✓ Long Distance Communication
- ✓ High Speed Communication
- ✓ Stable Communication
- ✓ Software Integration
- ✓ PLC Connectivity
- ✓ Multiple Scale Networking
- ✓ Data Storage & Report Generation
- ✓ Smart Factory (Industry Ready

RS232 vs ETHERNET TCP/IP

FEATURE	RS232	ETHERNET TCP/IP
Distance	Short distance	Long distance
Connection	Point-to-point	Network based
Devices	One PC mostly	Multiple systems
Speed	Slower	Faster
Connectivity	Limited	Scalable
Technology	Old technology	Modern industrial networking

WHERE IT IS COMMONLY USED

- Industrial Platform Scales
- Tank / Hopper Weighing
- Weighbridges
- Packing Machines
- Batch Control Systems
- Dispatch Systems
- Warehouse Management
- Chemical Plants
- Food Industries
- Steel Plants
- Cement Industries
- Pharma Industries
- Logistics Systems
- And Many More...

SAMPLE WEIGHT DATA RECORD (AUTO STORED)

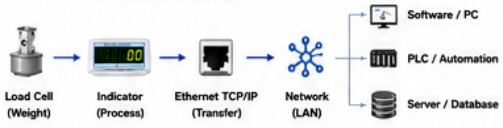
Date	Time	Scale	Weight	Operator	Remarks
09-05-2026	10:15 AM	Scale 1	520.00 Kg	Rahul	Raw Material
09-05-2026	10:22 AM	Scale 2	980.00 Kg	Amit	Packing
09-05-2026	10:30 AM	Scale 3	1250.50 Kg	Suresh	Dispatch
09-05-2026	11:05 AM	Scale 1	75.10 Kg	Mohan	QC Check

SIMPLE FINAL UNDERSTANDING

Intranet Ethernet TCP/IP weighing system allows digital weighing scales to easily share continuous weight data over factory network direct automation, monitoring, reporting and smart industrial operation.

It converts ordinary weighing scale into Smart Weighing System, Network Weighing System, Industrial Automation Device and Real-Time Monitoring System making factory operations Faster, Accurate, Automatic, Professional, Traceable and Industry 4.0 Ready.

DATA FLOW OVERVIEW



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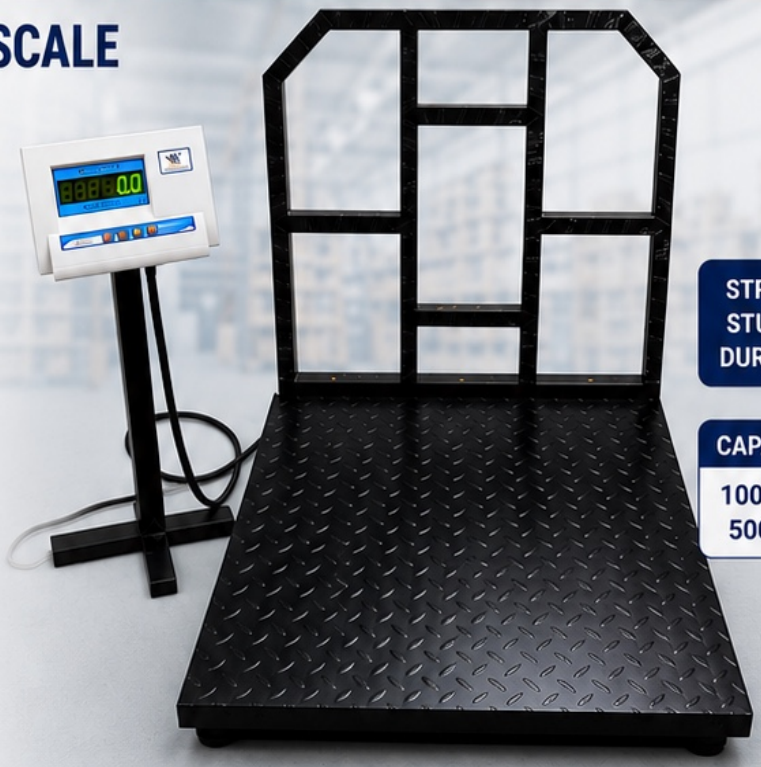
INDUSTRIAL PLATFORM SCALE

ACCURATE | RELIABLE | CONNECTED

ETHERNET TCP/IP ENABLED

Smart Weighing for Modern Industries



STRONG STURDY DURABLE

CAPACITY
100kg to 5000kg

ETHERNET TCP/IP CONNECTIVITY
RJ45 wired connection for fast and stable data transfer over LAN.

CUSTOMIZABLE NETWORK SETTINGS
Set your own IP Address, Subnet Mask and Gateway as per your network.

REAL-TIME DATA TRANSFER
Send live weight data to PC, PLC, ERP or Cloud in real-time.

MULTI-SCALE NETWORKING
Connect multiple scales on same network and manage from one system.

INDUSTRIAL GRADE & COMPLIANT
Built for industrial environment and compliant with international standards.

HOW ETHERNET TCP/IP WEIGHING SCALE WORKS



1. **WEIGHT IS APPLIED**
Material placed on the platform.

2. **LOAD CELL SENSES**
Load cell converts weight into electrical signal.

3. **INDICATOR PROCESS**
Indicator processes the signal and shows accurate weight.

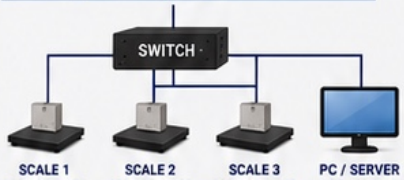
4. **ETHERNET MODULE**
Data is sent through RJ45 LAN cable over TCP/IP network.

5. **DATA RECEIVED**
PC / PLC / Software receives live weight in real-time.

NETWORK CONFIGURATION EXAMPLE

Set customized network parameters as per your requirement.

IP Address	192.168.1.100
Subnet Mask	255.255.255.0
Gateway	192.168.1.1



APPLICATION EXAMPLES



WAREHOUSE & INVENTORY
Live stock management and inventory tracking.



DISPATCH & LOGISTICS
Accurate weighing for billing and delivery.



PRODUCTION MONITORING
Monitor real-time production and batching.



AUTOMATION & PLC / SCADA
Easy integration with PLC and SCADA systems.

KEY BENEFITS

- Fast & Stable Communication
- Long Distance Data Transfer
- Real-Time Monitoring
- Easy Integration with ERP / Software
- Supports Multiple Devices
- Reduces Manual Errors
- Increases Productivity
- Saves Time & Labour
- Industry 4.0 Ready Solution

RJ45 ETHERNET | TCP/IP PROTOCOL | LIVE DATA TRANSFER | MULTI-SCALE SUPPORT | ERP / SOFTWARE INTEGRATION | PLC / SCADA COMPATIBLE | SECURE & RELIABLE

NOTE: In Some Applications, Weighing Display Indicators May Be Available in **ABS Plastic Body** or **Industrial Metal Body Cabinet** Depending on Customer Requirements and Industrial Working Environment.

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LONG RANGE WIRED RS485 COMMUNICATION

RELIABLE • STABLE • LONG DISTANCE • INDUSTRIAL GRADE



Long Range Wired RS485 Communication is an industrial data communication system used in digital weighing scales to transfer live weight data over long distances through a 2-wire or 4-wire shielded cable.

- Display: 6 Digit, 0.8" Green LED (0.0)
- Bright, Clear & High Visibility
- Front Key Operation for Easy Use
- Suitable for Industrial Environment
- RS485 Port for Long Distance Communication
- Supports Modbus RTU Protocol (Standard)

IN SIMPLE WORDS

RS485 allows a weighing scale or weighing indicator to send live weight data reliably to a computer, PLC, large display, or automation system even from very long distances.

WHY RS485?

- Long distance communication up to approx. 1200 meters
- High noise immunity in industrial environment
- Multiple devices on same communication line
- Reliable and stable data transfer
- Easy integration with PLC/SCADA/Software
- Low wiring cost, uses simple twisted pair cable

HOW RS485 COMMUNICATION WORKS IN WEIGHING SCALES

1. Indicator continuously measures weight from the load cell.
2. Indicator converts weight into digital data.
3. RS485 communication port transmits this data.
4. Data travels through long distance cable.
5. PLC / Computer / SCADA receives live weight.



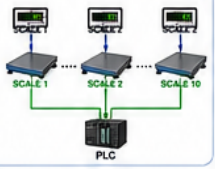
INDUSTRIAL APPLICATION EXAMPLES



EXAMPLE 1 – FACTORY PRODUCTION LINE

- Platform scale installed near mixer machine
- Control room located 200 meters away
- Live weight data transferred to computer via RS485
- Real-time monitoring & production control

BENEFIT: Centralized monitoring, long distance communication, saves manpower.



EXAMPLE 2 – MULTIPLE SCALES IN ONE FACTORY

- 10 platform scales in different areas
- All scales connected on one RS485 line
- Each scale has unique address ID
- PLC reads all weights individually

BENEFIT: Less wiring, easy automation, monitor multiple scales.



EXAMPLE 3 – WEIGHBRIDGE INTEGRATION

- Weighbridge at factory gate
- Office computer inside building
- RS485 transfers Gross, Tare, Net weight
- Data integration with billing software

BENEFIT: Stable communication, reliable data transfer, suitable for outdoor installation.

TECHNICAL WORKING OF RS485

RS485 uses differential signal communication with A(+) and B(–) lines.
Data is transmitted as voltage difference between both wires.
This makes RS485 highly noise resistant and stable in industrial environments.

COMMUNICATION DISTANCE

Communication Type	Approx Distance
RS232	10 – 15 meters
USB	3 – 5 meters
Ethernet	Depends on network
RS485	Up to Approx. 1200 meters

RS485 CABLE

Twisted pair shielded cable recommended for best performance in industrial environments.



SYSTEMS CONNECTED THROUGH RS485



MAIN BENEFITS OF RS485 IN WEIGHING SCALES

Long Distance Communication	Works up to Approx. 1200 meters
Noise Immunity	Stable near heavy machinery & electrical noise
Multi-Drop Communication	Multiple devices on same RS485 line
Reliable Data Transfer	Industrial grade, stable & error-free communication
Low Wiring Cost	Only twisted pair cable required
PLC Integration	Perfect for industrial automation systems
Real-Time Monitoring	Live weight data available remotely
Expandable System	Easy future expansion with more devices

DIFFERENCE BETWEEN RS232 AND RS485

Feature	RS232	RS485
Distance	Short	Long
Industrial Noise Resistance	Low	High
Multiple Devices	No	Yes
Industrial Use	Limited	Excellent
Stability	Moderate	Very High

IMPORTANT TERMS

- **Baud Rate** – Communication speed
- **Address ID** – Unique device number
- **A/B Terminal** – RS485 communication lines
- **Modbus RTU** – Common RS485 industrial protocol
- **PLC** – Industrial automation controller
- **SCADA** – Industrial monitoring software

COMMON INDUSTRIAL APPLICATIONS



INDUSTRIAL PLATFORM SCALES
Production weighing, material transfer, packing section



TANK & HOPPER WEIGHING
Chemical, Food, Pharma industries



BATCHING SYSTEMS
Cement, Fertilizer, Feed industries



WEIGHBRIDGE SYSTEMS
Truck weighing, dispatch, ERP integration



CRANE SCALES
Steel plants, scrap yards, heavy fabrication

TYPICAL INDUSTRIAL SETUP – WEIGHT FLOW



NOTE:
In Some Applications Weighing Display Indicators Will be In ABS and some in Metal Body.

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Industrial Digital Weighing Scale
with Wireless Extra Display

Monitor live weight from a long distance with Taj Instruments Wireless Extra Display System. No cables, No hassle – Real-time weight visibility, Anywhere in your industry.



Range of Wireless Display
300 METER*
Open Area & Straight Line of Sight

*Range may vary depending on site conditions, obstacles and interference.

Wireless Extra Display Available in 2", 4", 5"



2 INCH | 4 INCH | 5 INCH

HOW IT WORKS



LOAD CELL
Measures Weight



WEIGHING INDICATOR
Processes Weight Signal



WIRELESS TRANSMITTER
Sends Live Weight Data



WIRELESS EXTRA DISPLAY
Shows Live Weight in Real Time

KEY BENEFITS

- ✓ No Cable Required
- ✓ Easy Installation
- ✓ Range up to 300 Meter*
- ✓ Better Visibility from Long Distance
- ✓ Improves Safety
- ✓ Faster Operations
- ✓ Multiple People Can Monitor Weight
- ✓ Low Maintenance
- ✓ Cleaner Industrial Setup

SUITABLE FOR

- Crane Scales
- Platform Scales
- Forklift Scales
- Packing & Bag Filling
- Weighbridge / Truck Scales
- Industrial Weighing Applications

WIRELESS EXTRA DISPLAY – APPLICATION EXAMPLES

CRANE SCALE APPLICATION



Crane scale at height, weight visible on wireless display near operator.

PLATFORM SCALE IN WAREHOUSE



Live weight visible in office or control room from long distance.

FORKLIFT SCALE



Supervisor can monitor live weight while forkiift is in operation.

PACKING & BAG FILLING



Operator can see weight clearly from distance, improves accuracy.

WEIGHBRIDGE / TRUCK SCALE



Long distance weight display for driver, operator or office cabin.

WHY WIRELESS EXTRA DISPLAY IS IMPORTANT?

- In large industrial areas, indicators are often far from the operator.
- Wireless display helps in real-time monitoring without moving towards the scale.
- It saves time, improves workflow and enhances overall productivity.

TECHNICAL SPECIFICATIONS

Wireless Technology	:	RF (433MHz / 868MHz)
Range	:	Up to 300 Meter*
Display Sizes	:	2", 4", 5" Red LED
Display Type	:	Bright Red LED
Power Supply	:	230V AC Adapter
Enclosure	:	Industrial Grade ABS / MS
Visibility	:	High Brightness, Long Distance
Mounting	:	Wall Mount / Stand Mount
Application	:	Indoor / Semi Outdoor

*Range may vary depending on site conditions, obstacles and interference.

HOW WIRELESS SYSTEM WORKS

WEIGHING INDICATOR → WIRELESS TRANSMISSION → WIRELESS EXTRA DISPLAY



Live weight data is transmitted wirelessly from the indicator to the extra display and shown in real time.

REAL TIME • RELIABLE • WIRELESS

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WIRELESS RS232 / WIRELESS SERIAL CONNECTIVITY

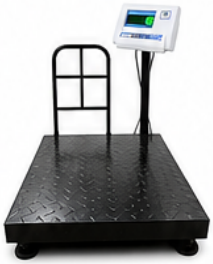
SMART, RELIABLE & CABLE-FREE WEIGHT DATA COMMUNICATION

Wireless RS232 connectivity allows weighing scales to transmit live weight data wirelessly to computer, software, printer, display and industrial systems without using long cables. It provides easy installation, better mobility and reliable performance in industrial environments.

HOW IT WORKS

1 WEIGHT IS MEASURED

Scale measures the weight accurately.



2 INDICATOR GENERATES SERIAL DATA

Indicator sends live weight data from RS232 port.



Example Serial Output:
WT: 50.000Kg

3 WIRELESS TRANSMITTER SENDS DATA

Wireless RS232 transmitter converts serial data into RF signal and transmits.



4 WIRELESS RECEIVER RECEIVES DATA

Wireless receiver receives RF signal and converts it back to RS232 data.



5 LIVE WEIGHT APPEARS IN SOFTWARE

Software receives same live weight data exactly like wired RS232.



Example:
Weight Received = 50.000 Kg

INDUSTRIAL APPLICATIONS WITH EXAMPLES

EXAMPLE 1: WAREHOUSE / DISPATCH SYSTEM

WITHOUT WIRELESS RS232

- Long RS232 cable required
- Cable damage problem
- Difficult installation in large warehouse



WITH WIRELESS RS232

- Scale installed anywhere in warehouse
- Weight data transfers wirelessly to office PC
- Operator generates Delivery Challan, Dispatch Slip, Barcode Label, Excel Entry



BENEFIT: No long cable, easy installation, clean setup, fast operation.

EXAMPLE 2: CRANE SCALE APPLICATION



WITHOUT WIRELESS RS232

- Moving cable connection is difficult
- Cable may break during operation
- Not safe for crane operations

WITH WIRELESS RS232

- Crane scale sends live weight wirelessly
- Weight received directly in computer/software
- Useful in Steel Plants, Scrap Yards, Foundries, Metal Industries



BENEFIT: No hanging communication cable, safer operation, suitable for moving systems.

MAIN USES

- ERP Software Integration
- Warehouse Automation
- Crane Scale Monitoring
- Industrial PC Connectivity
- Printer Connectivity
- Data Logging
- Remote Monitoring
- PLC Integration
- Industrial Automation
- And many more...



BENEFITS OF WIRELESS RS232

- No long cable wiring
- Easy installation & low maintenance
- Eliminates cable damage (forklifts, rodents, moisture, etc.)
- Cleaner & safer industrial environment
- Scale can be moved easily
- Remote weight monitoring from office / control room
- Better for moving equipment like crane scales
- Improves efficiency & reduces downtime

TECHNICAL INFORMATION

Technology	Wireless Serial Communication
Data Type	Live Weight Data
Communication	RS232 Serial Data
Medium	Wireless RF Communication
Range	10 to 100 Meters (Depends on Environment & Model)
Application	Software, Automation, Monitoring
Cable Requirement	Not Required

TYPES OF WIRELESS SERIAL CONNECTIVITY

- RF Wireless RS232 (Most common industrial use)
- Wireless RS485 (Long distance networking)
- Bluetooth Serial (Short range connectivity)
- WiFi Serial Converter (LAN / Network)
- Zigbee Serial (Low power industrial)

INDUSTRIES WHERE IT IS COMMONLY USED

Steel Industry · Chemical Plants · Cement Industry · Logistics & Transport · Scrap Yard · Textile Industry · Food Processing · Pharma Industry · Dispatch Departments · Production Monitoring

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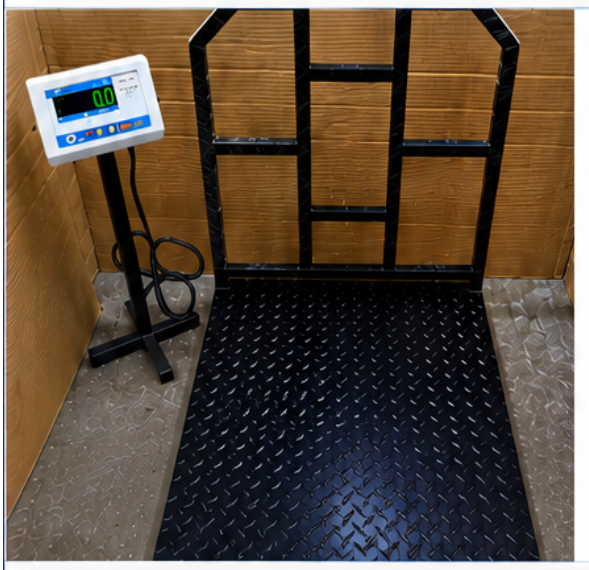
USB SERIAL CONNECTIVITY FOR DIGITAL WEIGHING SCALES

LIVE WEIGHT DATA TRANSFER • ACCURATE • RELIABLE • REAL TIME

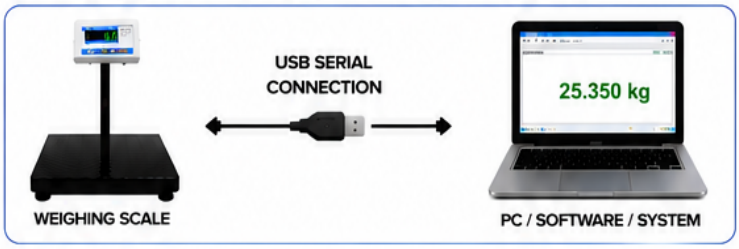
OUR SCOPE IS TO SUPPLY DIGITAL WEIGHING SCALE WITH USB CONNECTIVITY

(which transfers live continuous weight data to hyper terminal)



WHAT IS USB SERIAL CONNECTIVITY?

USB Serial Connectivity is used to transfer actual live weight data from weighing scale to external software/system/computer in real time. The scale acts as a COM Port device and sends live weight data continuously to the connected system through USB interface.



Note: Software development or supply is not in our scope. Our weighing scale only transfers actual live weight data through USB Serial Communication.

HOW USB SERIAL CONNECTIVITY WORKS (TECHNICALLY)

1. Load Cell senses weight
2. Indicator converts analog signal to digital value
3. Microcontroller processes the weight
4. USB IC converts data to Serial (COM Port)
5. PC / Software / System receives live weight data

ONLY DATA TRANSFERRED

Only Live Weight is transferred

BENEFITS OF USB SERIAL CONNECTIVITY

- **LIVE DATA TRANSFER** — Actual live weight is transferred instantly in real time.
- **REDUCES HUMAN ERROR** — No manual entry, eliminates typing mistakes.
- **EASY SOFTWARE INTEGRATION** — Works with ERP, Tally, Excel, Billing Software, PLC, SCADA & Custom Software.
- **FASTER OPERATION** — Improves productivity and saves time.
- **DIGITAL RECORD KEEPING** — Weight records stored automatically for reports and analysis.
- **SIMPLE USB CONNECTION** — Easy plug & play communication.

USB SERIAL COMMUNICATION DETAILS

Communication Type	:	USB to Serial (Virtual COM Port)
Interface	:	USB Type-B (Device)
Baud Rate (Selectable)	:	9600 / 19200 / 38400 / 57600
Data Bits	:	8
Stop Bits	:	1
Parity	:	None
Protocol	:	ASCII (Configurable)

REAL INDUSTRIAL EXAMPLES (INTEGRATION ONLY)

EXAMPLE 1: WAREHOUSE / DISPATCH



Weight is transferred automatically to dispatch software and challan is generated. Saves time and ensures accurate records.

Note: Software shown in image is not supplied with weighing scale. It is shown only for understanding of USB Serial Integration and live weight data transfer applications.

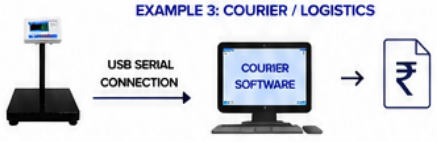
EXAMPLE 2: PHARMA / CHEMICAL INDUSTRY



Weight is recorded in QC software automatically. Ensures correct packing weight and batch traceability.

Note: Software shown in image is not supplied with weighing scale. It is shown only for understanding of USB Serial Integration and live weight data transfer applications.

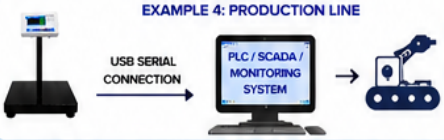
EXAMPLE 3: COURIER / LOGISTICS



Parcel weight directly entered in billing software. Faster billing and accurate charges.

Note: Software shown in image is not supplied with weighing scale. It is shown only for understanding of USB Serial Integration and live weight data transfer applications.

EXAMPLE 4: PRODUCTION LINE



Live weight data sent continuously to production monitoring system for real-time process control and quality assurance.

Note: Software shown in image is not supplied with weighing scale. It is shown only for understanding of USB Serial Integration and live weight data transfer

IDEAL FOR SOFTWARE / SYSTEM INTEGRATION

ERP Integration | Dispatch Systems | Billing Systems | Production Monitoring | QC & Batch Recording | Warehouses & Logistics | Data Recording Applications | Industrial Automation

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Item: Check Weighing Table Top Scale with Tower Lite & 3 Window Display



CHECK WEIGHING TOWER LIGHT SYSTEM

A Check Weighing Tower Light is an advanced visual indication system used in digital weighing scales and industrial check weighing applications. It helps operators quickly identify whether the product weight is Under Weight, Correct Weight, or Over Weight during weighing operations.

OVER WEIGHT (Red Light)
Indicates the product weight is Over Weight than the preset limit.

UNDER WEIGHT (Yellow Light)
Indicates the product weight is Under Weight than the preset limit.

CORRECT WEIGHT (Green Light)
Indicates the product weight is Correct / Accepted Weight within the preset tolerance range.

ADVANTAGES

- Fast and easy weight status identification
- Improves weighing speed and operator efficiency
- Reduces manual checking errors
- Ideal for production lines and packing departments
- Suitable for continuous industrial weighing operations
- Helpful in quality control and rejection systems
- Visual indication visible from long distance
- Can be integrated with buzzer/alarm system

QUALITY CONTROL



Ensures every product is within the correct weight range.

Helps maintain product quality, reduce errors and improve customer satisfaction.

OPTIONAL FEATURES

- Buzzer Alarm System
- Relay Output for Automation
- Conveyor Rejection System
- PLC / SCADA Connectivity
- Wireless Monitoring System
- Custom Weight Range Settings

MAX. CAPACITY & ACCURACY OPTIONS

Max Capacity	e/Accuracy
10Kg	1g
20Kg	2g
30Kg	5g
5Kg	0.5g (500mg)
20Kg	1g
15/30Kg	1/2g (dual)

SPECIFICATIONS

Make:	TAJ INSTRUMENTS
Pan Size:	240x300mm (9.6"x12")
Load Cell:	Single Point Off Center 130mm TT LC
Display:	0.56" Indian Green Led Display(front/back both side)
Outer Body:	Complete MS METAL with Steel Top
Battery:	6V-4.5Ah Sealed Lead Acid (Auto Rechargeable) (Battery Backup-20-24hrs)
Calibration:	External (by standard reference weight)
Tare Range:	25% of Capacity
Zero Adjustment:	Manual Zero
Power Supply:	230V AC ±10%, 50Hz
Power Consumption:	Low Power Consumption Design
Operating Temperature:	0°C to +45°C
Humidity:	Up to 85% RH, Non-Condensing

PROFESSIONAL SHORT DESCRIPTION

Check Weighing Tower Light System:
Advanced multi-color tower light indication system for instant weight status identification. Helps operators easily identify Under Weight, Correct Weight, and Over Weight conditions during industrial weighing operations, improving speed, accuracy, and production efficiency.



PREMIUM QUALITY ★★★★★ PRODUCT

QUALITY CONTROL WORKFLOW

1. Weigh Product
2. Check Tower Light Indication
3. Accept / Reject Decision
4. Maintain Product Quality

Ensures accurate weighing, reduces errors and improves production efficiency.

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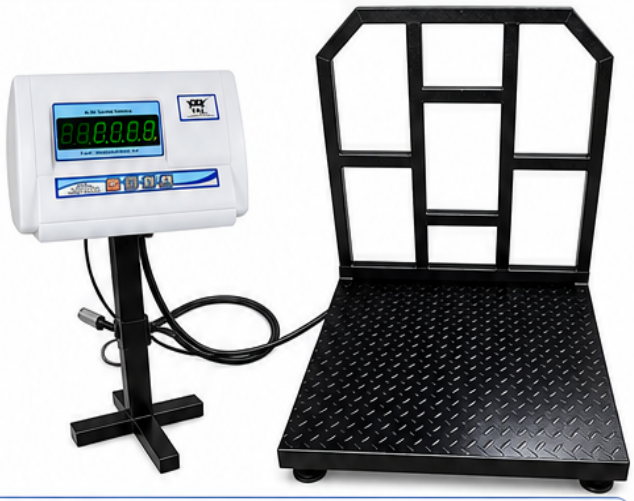
INDUSTRIAL DIGITAL WEIGHING SCALE
— WITH SET POINT —



Industrial Digital Weighing Scale with SET POINT is a smart weighing system where the weighing indicator can automatically give an output signal when a pre-defined weight value is reached.

SET POINT FEATURE IS IDEAL FOR

- Automatic Filling Systems
- Batching Systems
- Packing Machines
- Tank Filling
- Hopper Weighing
- Conveyor Control
- Check Weighing
- Industrial Automation
- PLC & Relay Control Applications

WHAT IS SET POINT?

A SET POINT is a predefined target weight value stored inside the weighing indicator.

Example: If you set **SET POINT = 50.000 Kg**

The weighing scale will monitor the live weight continuously.

As soon as the weight reaches 50 Kg:

Relay output activates → Motor stops → Valve closes → Buzzer sounds → Conveyor stops → Filling process completes

This reduces manual work and improves accuracy.

HOW SET POINT WORKS TECHNICALLY

1. **LOAD CELL SENSES WEIGHT**
   The load cell converts weight into electrical millivolt signals.
   Example: Empty = 0 mV | 50 Kg = proportional mV signal
2. **INDICATOR CONVERTS SIGNAL**
   The digital weighing indicator converts the load cell signal into weight value.
   Example: 49.850 Kg → 49.950 Kg → 50.000 Kg



3. **SET POINT LOGIC MONITORS WEIGHT**
   The controller continuously compares
   Live Weight **VS** Stored SET POINT value.

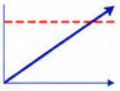


4. **RELAY OUTPUT ACTIVATES**
   When the target weight is achieved, the weighing indicator activates internal relay outputs to control valves, motors, conveyors, pumps, buzzers, etc.

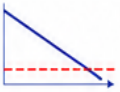


TYPES OF SET POINT OPERATIONS

HIGH SET POINT
Output activates when weight becomes MORE than target.
Example: Alarm ON after 100 Kg



LOW SET POINT
Output activates when weight becomes LESS than target.
Example: Hopper low material warning



WINDOW SET POINT
Output activates only within weight range.
Example: Accept only between 49.8 Kg to 50.2 Kg



BATCH SET POINT
Used for automatic batching systems.
Example: 5 Kg Chemical A
10 Kg Chemical B
15 Kg Chemical C



SIMPLE INDUSTRIAL EXAMPLES

1. OIL FILLING MACHINE

Target Weight: 15 Kg

- Pump starts automatically
- Oil fills into can
- At 15 Kg: Pump stops
- Buzzer sounds
- Green light turns ON



2. CHEMICAL POWDER PACKING

Target Weight: 25 Kg

- Fast filling gate ON (at low weight)
- Slow filling gate ON (near target)
- At 25 Kg: All gates OFF
- High accuracy & less overflow



3. CONVEYOR CHECK WEIGHING

Minimum Weight: 10 Kg

- Carton weighed automatically
- If weight < 10 Kg → Reject
- If weight OK → Continue
- Used in food, pharma, logistics, warehouse, etc.



COMPONENTS OF SET POINT SYSTEM

- Load Cell
- Digital Weighing Indicator
- Relay Output Card
- Junction Box
- Solenoid Valve / Motor / Conveyor
- PLC (Optional)
- Tower Light / Buzzer

ADVANCED FEATURES

- Multiple Set Points
- Relay Outputs
- Buzzer & Tower Light Control
- RS332 / RS485 / MODBUS
- Ethernet / WiFi / Bluetooth
- USB Data Logging
- PLC Communication
- Recipe / Batch Memory
- Cloud Monitoring (Optional)

BENEFITS

- High Accuracy
- Less Material Wastage
- Faster Production
- Labor Saving
- Better Quality Control
- Easy PLC Integration
- Repeatable Results
- Professional Automation
- Increased Productivity

APPLICATIONS

- Food Industry (Flour, Rice, Spices)
- Chemical Industry (Powder, Liquid)
- Pharma Industry (Ingredients Weighing)
- Cement Industry (Bag Filling)
- Steel Industry (Batching)
- Agriculture Industry (Seeds, Fertilizer)
- Logistics & Warehouse (Check Weighing)

Note: In Some Applications Weighing Display Indicators Will be In ABS and some in Metal Body.

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INTRANET WIFI TCP / IP DATA COMMUNICATION

SMART | WIRELESS | RELIABLE | INDUSTRY 4.0 READY

Wireless live weight data communication over factory Intranet (WiFi Network)



DISPLAY SPECIFICATION
- Bright Green LED Display
- Digit Height : 0.8 Inch (20.3 mm)
- Resolution : 0.0

WHAT IS INTRANET WIFI TCP/IP DATA COMMUNICATION?

Intranet WiFi TCP/IP Communication means the digital weighing scale can send live weight data wirelessly through a local WiFi network using TCP/IP protocol.

This system works inside a factory, warehouse, plant, office, or industrial campus using the company's internal WiFi router/network (Intranet), without requiring internet connection.

The weighing scale becomes a network device just like:

Computer | PLC | Industrial PC | Server | Mobile | ERP System

WIRELESS COMMUNICATION | LIVE WEIGHT DATA TRANSFER | FACTORY INTRANET | MULTIPLE DEVICE CONNECTIVITY | INDUSTRY 4.0 READY

HOW IT WORKS

STEP 1: The weighing indicator measures load cell signal.

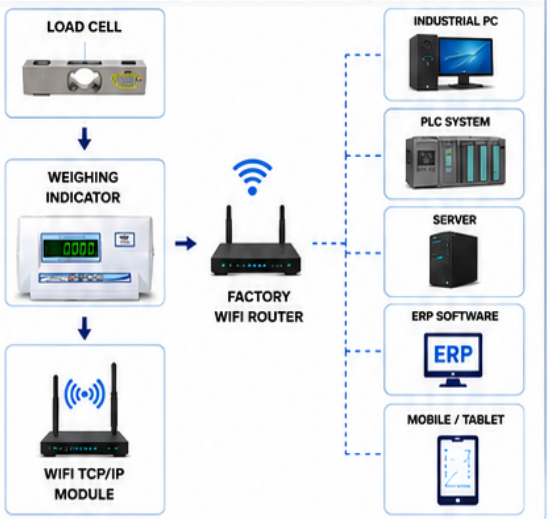
STEP 2: Indicator converts analog load cell signal into digital weight value.
Example: Weight = 1250.50 Kg

STEP 3: The WiFi TCP/IP module inside indicator sends this data wirelessly.

STEP 4: The data travels through Scale → WiFi Router → Industrial PC / PLC / Server

STEP 5: The software or PLC receives live continuous weight data.

COMMUNICATION FLOW



SIMPLE UNDERSTANDING

NORMAL SCALE
Only shows weight on the display.

INTRANET WIFI TCP/IP SCALE
Shows weight on display AND simultaneously sends live weight data wirelessly over WiFi network.

This allows
- Software Integration
- ERP Connectivity
- PLC Automation
- Production Monitoring
- Remote Weight Monitoring
- Centralized Data Collection

TECHNICAL FEATURES

- **Customized IP Address Setting** – Each scale can have its own IP Address, Subnet Mask, Gateway, Port Number.

IP Address	: 192.168.1.150
Subnet Mask	: 255.255.255.0
Gateway	: 192.168.1.1
Port Number	: 5000

- **Real-Time Continuous Data Transfer** (Gross Weight, Net Weight, Stable Weight, Tare Weight, Status Signals)
- **Wireless Communication** – No long serial cable required.
- **Multiple Device Connectivity** – Scale can communicate with PLC, PC, Server, Mobile, Software simultaneously.
- **Industrial Automation Ready** – Suitable for Industry 4.0 systems.
- **Easy Installation** – No complicated wiring.

INDUSTRIAL APPLICATIONS & EXAMPLES

EXAMPLE 1 : PACKING LINE



WITHOUT WIFI TCP/IP
- Manual Reading
- Write on Paper
- Enter in Computer Later
- Human Error
- Slow Operation



WITH WIFI TCP/IP SCALE
- Live weight sent to software
- Data saved automatically
- Reports generated
- No manual error
- Faster production

EXAMPLE 2 : TANK FILLING AUTOMATION



Benefits: Accurate filling | Less product wastage | Fully automatic system

EXAMPLE 3 : DISPATCH & TRUCK WEIGHING



- Weight automatically enters challan
- PDF generated automatically
- Data saved in Excel / Database
- Ideal for Steel, Chemical, Logistics & Transport Industry

MAIN INDUSTRIAL USES

ERP SOFTWARE INTEGRATION
Live weight data directly into SAP, Tally, Custom ERP, Warehouse software. No manual typing required.

PLC AUTOMATION
PLC reads weight automatically and controls filling machines, conveyor systems, batching systems, tank weighing systems.

CENTRALIZED WEIGHT MONITORING
Monitor multiple scales from one control room. All scales visible on one PC dashboard.

WIRELESS WAREHOUSE WEIGHING
Ideal for large warehouses, steel plants, chemical plants, cement plants, moving platforms, crane scales, mobile trolleys.

MOBILE APP MONITORING
Weight can be viewed on Android tablet, industrial mobile or supervisor PC anytime from anywhere in the network.

DIFFERENCE BETWEEN RS232 AND WIFI TCP/IP

FEATURE	RS232	INTRANET WIFI TCP/IP
Communication Type	Wired	Wireless
Distance	Short	Long
Multiple Devices	Difficult	Easy
Network Communication	No	Yes
ERP Integration	Limited	Excellent
Factory Monitoring	Limited	Advanced
Installation	Cable Required	WiFi Based

TECHNICAL NOTE

This system mainly transfers live continuous weight data and weight status signals.

The weighing software / ERP / PLC side programming depends on customer application requirements.

WIDELY USED IN

- Industrial Platform Scales
- Tank Weighing Systems
- Hopper Weighing
- Batching Systems
- Filling Machines
- Conveyor Weighing
- Dispatch Automation
- Warehouse Management
- Truck Loading Systems
- Crane Scales

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ETHERNET RJ45 API – JSON FORMAT

SMART ETHERNET COMMUNICATION SOLUTION FOR DIGITAL WEIGHING SCALE

ERP INTEGRATION | PLC AUTOMATION | CLOUD MONITORING | MOBILE APPLICATIONS | REAL-TIME DATA | INDUSTRY 4.0 READY

KEY BENEFITS

- Live Real-Time Weight Data
- Easy Software Integration
- ERP, PLC & Cloud Connectivity
- Long Distance Reliable Communication
- Industrial Automation Ready
- Accurate, Fast & Reliable Data Transfer

1. OVERVIEW

This document describes the JSON data format transmitted by the weighing indicator via Ethernet TCP/IP connection.

The indicator sends live weight readings in real-time for industrial automation, ERP integration, PLC communication, cloud monitoring, and software applications.



ETHERNET RJ45

2. NETWORK SPECIFICATIONS

Parameter	Specification
Communication Type	Ethernet RJ45
Protocol	TCP/IP (typically WebSocket over TCP)
Data Format	JSON
Default Port	8725 (Configurable)
Data Push Interval	Configurable (typically 1 second)
Communication Mode	Live Real-Time Data
API Support	Supported
Cloud Connectivity	Supported
ERP Integration	Supported

3. JSON DATA STRUCTURE

The weighing indicator transmits live weight data in JSON format.

3.1 BASIC FORMAT

```
{ "net_weight": "value" }
```

3.2 FIELD DESCRIPTION

Field Name	Data Type	Description	Example
net_weight	String	Live weight reading	"001.2340"

4. SAMPLE WEIGHT VALUES

4.1 POSITIVE WEIGHT

```
{ "net_weight": "001.2340" }
```

Interpretation:
1.234 Kg (Positive Weight)

4.2 NEGATIVE WEIGHT

```
{ "net_weight": "-010.468" }
```

Interpretation:
-10.468 Kg (Negative Weight)

4.3 ZERO WEIGHT

```
{ "net_weight": "000.0000" }
```

Interpretation:
0.000 Kg

4.4 LARGE WEIGHT

```
{ "net_weight": "125.5000" }
```

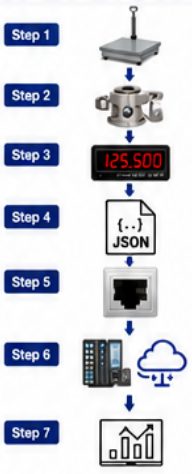
Interpretation:
125.500 Kg

4.5 DECIMAL VARIATIONS

```
{ "net_weight": "001.2" }
{ "net_weight": "001.23" }
{ "net_weight": "001.234" }
{ "net_weight": "001.2340" }
```

Supports Multiple Decimal Place Configurations

5. HOW THIS SYSTEM WORKS



- **Step 1** — Weight is placed on Platform Scale, Tank, Hopper, Weighbridge or Industrial Scale
- **Step 2** — Load Cell converts weight into electrical signal
- **Step 3** — Digital Weighing Indicator processes the weight
- **Step 4** — Indicator converts live weight into JSON Data Format
- **Step 5** — Weight data is transferred through Ethernet RJ45 LAN Port
- **Step 6** — Software / PLC / ERP / Cloud reads live weight automatically
- **Step 7** — Customer gets real-time monitoring, automation & reporting

6. CONNECTION GUIDE

6.1 ESTABLISHING CONNECTION

- Connect to the indicator's IP address via Ethernet
- Use configured TCP Port (Default: 8725)
- Indicator pushes JSON data automatically
- Some models respond after receiving trigger command

6.2 TRIGGER COMMANDS (IF REQUIRED)

Command	Description
J	Request JSON Weight Data

6.3 PARSING EXAMPLE (PSEUDOCODE)

```
function parseWeightData(receivedData):
  jsonObject = parseJSON(receivedData)
  liveWeight = jsonObject.net_weight
  return liveWeight
```

7. REAL INDUSTRIAL APPLICATIONS



- **TANK WEIGHING SYSTEM** — Live tank weight monitoring in control room.
- **TRUCK WEIGHBRIDGE AUTOMATION** — Automatic inward/outward software integration.
- **HOPPER & BATCHING SYSTEM** — PLC controls automatic filling operation.
- **PRODUCTION MONITORING** — Factory production updates automatically in software.
- **CLOUD DASHBOARD** — Monitor multiple factory weights remotely.

8. MAJOR FEATURES

- Live Weight Data Transfer Over Ethernet Network
- JSON API Support For Easy Software Integration
- ERP & CRM Connectivity (SAP, Tally, Custom ERP)
- PLC Automation Ready
- Cloud Monitoring From Anywhere
- Multi-System Integration
- Long Distance Reliable Communication
- Industry 4.0 Ready – Smart Factory Solution

9. IMPORTANT TECHNICAL NOTES

- Weight value transmitted as STRING format
- Supports positive & negative weights
- Decimal places configurable
- Live continuous data transmission
- Compatible with industrial software systems
- Stable TCP/IP communication
- Supports smart factory automation
- Default unit is Kg (Kilograms)
- Decimal places may vary by indicator configure.

10. BENEFITS TO INDUSTRIAL CUSTOMERS

- Reduced Manual Entry
- Faster Operations
- Less Human Error
- Automatic Reporting
- Remote Monitoring
- Better Production Control
- Easy Software Integration
- Smart Automation
- Industry 4.0 Ready
- Data Accuracy & Reliability

11. SUITABLE INDUSTRIES

STEEL PLANTS | CHEMICAL INDUSTRIES | CEMENT PLANTS | PHARMA INDUSTRIES | FOOD INDUSTRIES | WAREHOUSES
LOGISTICS INDUSTRIES | TEXTILE INDUSTRIES | DAIRY PLANTS | PACKAGING INDUSTRIES | OIL INDUSTRIES | MINING INDUSTRIES

ONE LINE UNDERSTANDING

"Ethernet RJ45 API JSON Communication allows digital weighing scales to transfer **live weight data** directly to **software, ERP, PLC, cloud & automation systems** through industrial Ethernet network."

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WHAT IS TANK WEIGHING SCALE?

Tank Weighing Scale is an advanced industrial weighing system where the entire tank or vessel is mounted on load cells to measure the actual weight of material inside the tank.

It provides accurate, real-time measurement for liquids, powders, chemicals, oils and bulk materials.

This system is widely used for storage monitoring, batching, process control, mixing and automation in various industries.

LOAD CELL USED

MODEL 70210

DOUBLE ENDED SHEAR BEAM LOAD CELL



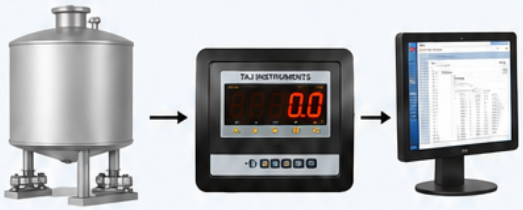
FEATURES (LOAD CELL)

- 2.5 Ton to 100 Tonf Capacities
- Strain Gauge based Double Ended Shear Beam
- Environmentally Protected
- Optional Weigh Module Hardware-WM-II for Tank Scales Provided
- High Accuracy & Repeatability
- Electroless Nickel Plated Tool Steel
- IP68 Protection Class
- 10 Meter Cable (Minimum)
- Suitable for Tank, Hopper, Silo & Platform Weighing

SPECIFICATIONS (70210)

Standard Capacities (Tf.)	:	2.5, 5, 10, 20, 25, 30, 50, 75, 100
Excitation Voltage	:	10 VDC - Maximum 15 VDC
Nominal Output	:	3.0 mV/V
Non-Linearity	:	< ± 0.025 % FSO
Hysteresis	:	< ± 0.02 % FSO
Non-Repeatability	:	< ± 0.01 % FSO
Creep (30 minutes)	:	< ± 0.03 % FSO
Zero Balance	:	± 1.0 % FSO
Input Resistance	:	770 ± 20.0 Ohms
Output Resistance	:	700 ± 7.0 Ohms
Insulation	:	> 1000 Mega Ohms at 50 VDC
Safe Overload	:	150 % of Rated Capacity
Ultimate Overload	:	300 % of Rated Capacity
Allowable Side Load	:	50 % of Rated Capacity
Side Load Discrimination	:	500:1
Side counter Range	:	0-60° C
Temperature Range	:	0-60° C
Temperature Effect on Output	:	< 0.0015 % FSO/°C
Temperature Effect on Zero	:	< 0.0020 % FSO/°C
Deflection	:	< 0.5 mm at FSO
Tightening Torque	:	10 m. kg.
Construction	:	Electroless Nickel Plated Tool Steel
Environmental Protection Class	:	IP68

HOW TANK WEIGHING WORKS?



1. Tank is mounted on Load Cells
2. Load Cells sense weight & send signal to Indicator
3. Indicator displays accurate weight in Kg / Ton

LOAD CELL MOUNT ASSEMBLY



The Load Cell Mount Assembly is designed to utilize Double Ended Shear Beams for tank and hopper weighing.

- 2.5 Tf to 75 Tf
- Mild steel zinc plated construction.
- Bolts directly to tank or hopper leg & floor
- Self checking for static loads
- Eliminates check rods in most applications
- Load cell replacement is easy

LOAD CELL MOUNT ASSEMBLY DIMENSION (All dimensions in mm)

CAPACITY - Tf	A	B	C	DSQ	ESQ	F	G	H	J	K	L	M
2.5 TO 10	135	280	190	140	75	175	26	200	100	19	12	15
20 TO 30	215	380	250	200	130	215	30	290	150	25	19	18
50 TO 75	264	457	305	254	191	241	35	356	229	32	32	21

TYPICAL APPLICATIONS

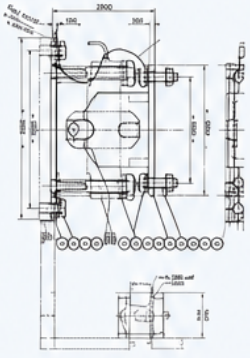
Chemical Industries | Food & Beverage | Pharmaceutical Industries | Paint Industries | Cement & Construction | Oil & Petroleum | Water Treatment Plants | Agro & Feed Industries

SYSTEM COMPONENTS

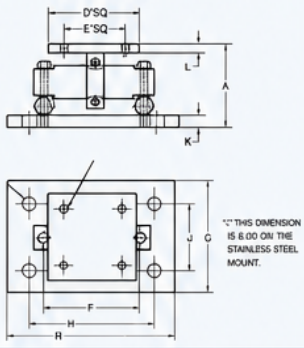
- Load Cell (70210 Double Ended Shear Beam)
- Load Cell Mount Assembly
- Digital Weighing Indicator
- Junction Box
- Cables & Connectors
- Tank / Vessel / Silo
- Mounting Structure / Foundation

4 CORE SCREENED CABLE

+ Input	Red
+ Output	Green
- Input	Black
- Output	White
Shield	



MOUNTING DIMENSIONS



BENEFITS OF TANK WEIGHING SCALE

- ✓ High Accuracy & Real-Time Measurement
- ✓ Exact Batching & Mixing Control
- ✓ Prevents Overfilling & Material Loss
- ✓ Improves Product Quality & Consistency
- ✓ Reduces Material Cost & Increases Profit
- ✓ Easy Integration with PLC, SCADA & Automation
- ✓ Reliable, Durable & Low Maintenance

INDICATOR MODEL

TI-T3A12



INDICATOR FEATURES

- Bright LED Display
- High Accuracy
- Count, Function, Tare, Zero
- Stable Indication
- Easy Calibration
- Strong ABS Housing
- Industrial Grade Performance

WHY CHOOSE TAJ INSTRUMENTS?

- High Quality Products
- Advanced Technology
- Custom Engineering Solutions
- Excellent After Sales Support
- Trusted by Industries Across India

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TAJ INSTRUMENTS-INDIA

Manufacturing Precision Weighing & Industrial Automation Solutions

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MODEL: TI-A33E

INDUSTRIAL DIGITAL WEIGHING INDICATOR

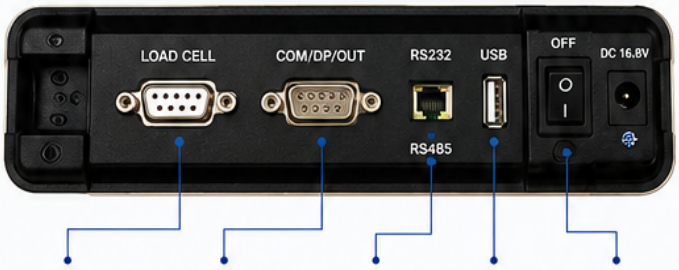
High Accuracy | Multi Communication | Smart Performance

TI-A33E is a high performance industrial weighing indicator with 2" high brightness LED display, high precision A/D conversion and multiple communication options. Suitable for platform scales, floor scales, automation systems and industrial applications.



- 2" High Brightness LED Display
- High Accuracy Class III
- Multi Communication
- Lithium Battery Long Backup
- Android App and PC Software Support (Optional)
- PC Software Support (Optional)
- Check Weighing (HI / LOW)
- Animal Weighing

REAR INTERFACE



LOAD CELL CONNECTOR | COM / DISPLAY PORT | RS232 / RS485 PORT | USB PORT | POWER SWITCH & DC 16.8V INPUT

KEY FEATURES

- 2" High Brightness White LED Display
- High Precision Sigma-Delta A/D Conversion
- Supports 1~4 Load Cells (350Ω)
- RS232 & RS485 Communication
- USB Port for Data Transfer
- WiFi / Bluetooth (Optional)
- Android App and PC Software Support (Optional)
- Animal Weighing, Counting, Accumulation
- Check Weighing (HI / LOW Limit)
- Upper & Lower Limit Alarm
- Rechargeable Lithium Battery
- Modular Industrial Design
- Wide Operating Voltage Range

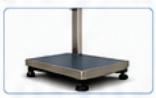
TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	TI-A33E
Accuracy Class	Class III
Maximum Division (n)	5000
A/D Conversion	High Precision Sigma-Delta
Sampling Speed	10 Times / Second
Display	2" High Brightness White LED
Display Digits	6 Digits
Load Cell Excitation	DC 5V
Load Cell Connection	1~4 x 350Ω (6-Wire System)
Input Signal Range	−15mV to +15mV
Minimum Input Sensitivity	1 μV/e
Communication	RS232 (Standard), RS485 (Standard)
Protocol	Modbus RTU
USB Port	Standard
Power Supply	AC 220VAC ±10%, 50Hz
Battery	Built-in Lithium Battery 14.8V / 2.2Ah
Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +50°C
Humidity	≤90% RH (Non-condensing)
Housing	Industrial Grade ABS Body
Mounting	Bracket / Wall / Panel Mount

STANDARD FUNCTIONS

- Basic Weighing
- Counting Function
- Accumulation Function
- Animal Weighing
- Peak Hold
- Zero / Tare
- Auto Zero Tracking
- Check Weighing (HI / LO)
- Upper & Lower Limit Alarm
- Data Storage
- RS232 / RS485 / USB
- Bluetooth / WiFi (Optional)
- Android App Connectivity (Optional)
- PC Weighing Software (Optional)
- Modbus Communication
- Remote Software Upgrade
- Multi-Record Management

IDEAL APPLICATIONS


Platform Scales


Warehouse


Logistics & Dispatch


Industrial Automation


Process Weighing


Packing & Filling


Manufacturing


Floor Scales

IMPORTANT NOTE
Always use certified load cell and proper installation for best performance and accuracy.

WARRANTY
1 Year Warranty
(For Main Motherboard Only)

OPTIONAL ACCESSORIES
- WiFi Module
- Bluetooth Module
- Barcode Printer
- RFID Reader
- External Display
- Signal Tower

MAKE IN INDIA

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Reg.No.:
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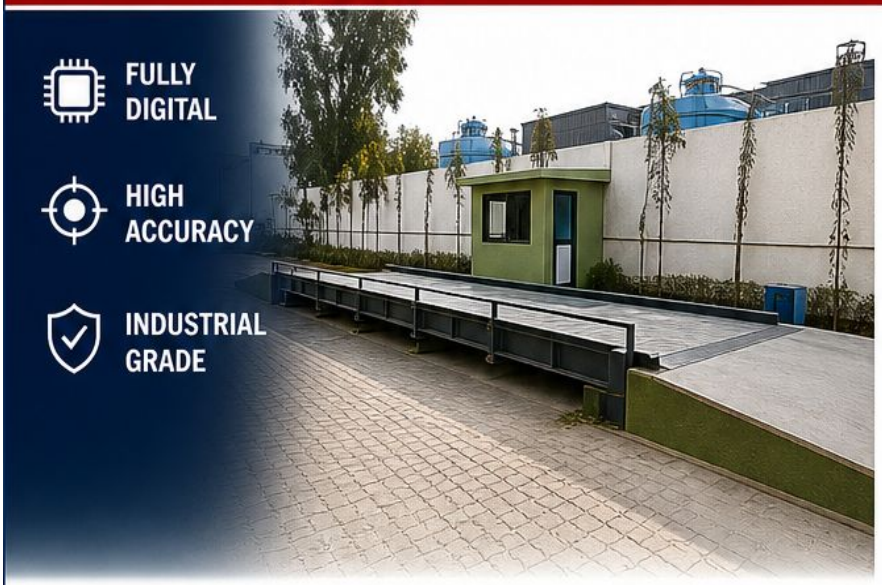
FULLY DIGITAL TRUCK WEIGHBRIDGE SYSTEM



WHAT IS FULLY DIGITAL WEIGHBRIDGE?

A Fully Digital Weighbridge uses advanced digital load cells and electronics to provide accurate, stable and tamper-proof weighing. It eliminates signal loss, improves performance and enables real-time data monitoring and automation.

WHY IT IS NECESSARY?

- Prevents weight manipulation & fraud
- High accuracy & reliable performance
- Enables automation & data recording
- Reduces maintenance downtime
- Essential for industrial & commercial operations

PIT TYPE (UNDERGROUND)



- Installed at ground level
- No ramp required
- Saves space
- Smooth vehicle movement
- Clean & permanent installation

VS

PIT-LESS TYPE (ABOVE GROUND)



- Above ground installation
- Ramp required
- Easy installation
- Lower civil cost
- Suitable where pit is not possible

Pit Type = No Ramp | Pit-Less = Ramp Required

LOAD CELL TECHNOLOGY COMPARISON



COMPRESSION LOAD CELL (RECOMMENDED)

- Rocker Column Design
- Self-centering
- High stability
- Long life
- Best for weighbridges

FEATURE	COMPRESSION LOAD CELL	CUP & BALL TYPE
ACCURACY	★★★★★	★★★
STABILITY	★★★★★	★★★
LIFE	Long	Medium
MAINTENANCE	Low	High
RECOMMENDED	Highly Recommended	Old Technology

CUP & BALL TYPE (OLD TECHNOLOGY)



- Less stability
- More wear & tear
- Maintenance required
- Not ideal for heavy duty applications

COMPRESSION LOAD CELL = MORE ACCURATE + MORE DURABLE + INDUSTRY RECOMMENDED

WHY CHOOSE TAJ FULLY DIGITAL SYSTEM?

- Advanced Digital Technology
- Strong & Rugged Construction
- High Accuracy & Stability
- Automation Ready
- Low Maintenance & Long Life
- Trusted by Industries

FOR PRODUCT INQUIRY CALL OR WHATSAPP:
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+91 9328511234

WEBSITE:
www.tajinstruments.in
www.tajinstruments.com

LOCATION:
Rajkot, Gujarat (India)

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FULLY DIGITAL TRUCK ROAD WEIGHBRIDGE

ITEM: FULLY TRUCK ROAD WEIGHBRIDGE – PIT TYPE & PIT LESS

- HIGH ACCURACY
- ANTI-CHEATING PROTECTION
- FULLY DIGITAL
- EASY INTEGRATION
- LOW MAINTENANCE
- SURGE & LIGHTNING PROTECTION
- STRONG & RELIABLE
- BETTER PERFORMANCE

PIT TYPE WEIGHBRIDGE



- Platform at ground level
- No ramp required
- Less space needed
- Smooth vehicle movement
- Ideal for space restricted areas
- Better traffic flow

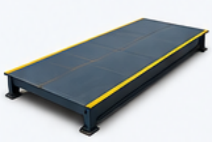
VS

PIT LESS WEIGHBRIDGE



- Platform installed above ground level
- Ramp required on both sides
- Easier maintenance access
- Better water drainage
- Ideal for open areas
- Strong & durable structure

KEY COMPONENTS



WEIGHBRIDGE PLATFORM



DIGITAL LOAD CELL



DIGITAL JUNCTION BOX



DIGITAL IT INDICATOR



COMPUTER SOFTWARE



PRINTER



REMOTE DISPLAY

WIDELY USED IN

- CEMENT PLANTS
- STEEL INDUSTRIES
- MINING & QUARRY
- LOGISTICS & TRANSPORT
- CHEMICAL & PETROCHEMICAL
- AGRICULTURE & GRAIN
- SCRAP YARDS
- PORTS & CONTAINER YARDS
- WAREHOUSES & INDUSTRIES
- GOVERNMENT CHECK POSTS

WHY CHOOSE FULLY DIGITAL WEIGHBRIDGE?

- Accurate & stable weighing
- Fast weighment & reduced waiting time
- Prevents material loss & improves billing accuracy
- Easy integration with ERP, SAP, RFID, PLC & more
- Anti-cheating protection with digital technology
- Remote monitoring & data management
- Low maintenance & long term reliability

ADVANCED FEATURES

- RFID Vehicle Identification
- Automatic Number Plate Recognition (ANPR)
- Boom Barrier Integration
- Cloud Monitoring & Mobile App
- SMS & Email Alerts
- Multi-location Monitoring
- Reports, MIS & Data Backup

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FULLY DIGITAL TRUCK ROAD WEIGHBRIDGE

ACCURATE WEIGHING | INTELLIGENT SYSTEM | RELIABLE PERFORMANCE

Advanced digital weighing solution for heavy vehicles. Designed for high accuracy, durability, anti-cheating protection and complete automation. Ideal for industrial, commercial and logistics applications.

ITEM: FULLY TRUCK ROAD WEIGHBRIDGE – PIT TYPE & PIT LESS

PIT TYPE WEIGHBRIDGE



- Platform installed at ground level
- No ramp required
- Less space required
- Smooth vehicle movement
- Ideal for space restriccted areas

VS

PIT LESS WEIGHBRIDGE



- Platform installed above ground level
- Ramp required on both sides
- More space needed
- Easier maintenance access
- Ideal for open areas and industrial yards

HOW FULLY DIGITAL TRUCK WEIGHBRIDGE WORKS

1. VEHICLE ENTRY
The truck nsteles on the weighbridge platform.

2. LOAD SENSING
The load is transferred to digital load cells installed under the platform.

3. DIGITAL SIGNAL
Load cells convert weight into digital signals and send to the indicator.

4. WEIGHT PROCESSING
Indicator processes the signals, removes vibration and shows stable & accurate weight.

5. DATA MANAGEMENT
Data is stored, printed and can be integrated with software, ERP, RFID, etc.

6. EXIT & REPORT
Transaction slip is printed and vehicle exits. All records are saved for future use.

REAL LIFE EXAMPLES

EXAMPLE 1: CEMENT PLANT

TRUCK IN (GROSS WEIGHT)	TRUCK OUT (TARE WEIGHT)	NET MATERIAL WEIGHT
38,560 kg	14,120 kg	24,440 kg

The system automatically calculates net material, stores data, prints receipt and sends information to ERP for accurate billing and inventory control.

EXAMPLE 2: MINING INDUSTRY

LOADED TRUCK	UNLOADED TRUCK	NET MATERIAL WEIGHT
52,840 kg	17,420 kg	35,420 kg

Helps in accurate material accounting, prevents revenue loss, reduces disputes and improves operational efficiency.

KEY BENEFITS

HIGH ACCURACY
Precise weighing with digital load cells for accurate billing.

FASTER OPERATION
Fast & stable weight display reduces truck waiting time.

ANTI-CHEATING PROTECTION
Digital technology prevents tampering and fraud.

BETTER AUTOMATION
Easy integration with ERP, RFID, PLC, Boom Barrier, Software & more.

REDUCED MAINTENANCE
Easy diagnostics, remote support & lower maintenance cost.

DATA MANAGEMENT
Automatic data storage, reports, MIS & cloud backup.

WIDELY USED IN INDUSTRIES

CEMENT PLANTS · STEEL INDUSTRIES · MINING & QUARRY · LOGISTICS & TRANSPORT · CHEMICAL & PETROCHEMICAL · AGRICULTURE & GRAIN · SCRAP YARDS · PORTS & CONTAINER YARDS · WAREHOUSES & INDUSTRIES · GOVERNMENT CHECK POSTS

WHY CHOOSE FULLY DIGITAL WEIGHBRIDGE?

- Accurate & stable weighing in any environment
- Prevents material loss & improves billing accuracy
- Fast weighment & reduced waiting time
- Easy integration with ERP, SAP, RFID, PLC & more
- Anti-cheating protection with digital technology
- Remote monitoring & data management
- Long distance digital communication
- Low maintenance & long term reliability
- Designed for heavy duty industrial use

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LOCATION: Rajkot, Gujarat

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FULLY DIGITAL
TRUCK ROAD WEIGHBRIDGE

ACCURATE • RELIABLE • INTELLIGENT • FUTURE READY

MFG.BY:

TAJ INSTRUMENTS-INDIA

ITEM: FULLY TRUCK ROAD WEIGHBRIDGE – PIT TYPE & PIT LESS

A Fully Digital Truck Road Weighbridge is a modern heavy vehicle weighing solution designed to deliver high accuracy, fast operation, and complete automation. It helps industries weigh, record, and manage inward and outward material efficiently with transparency and safety.

WHAT IS IT?

A Weighbridge is a heavy duty electronic weighing system used to weigh fully loaded or empty trucks. It is widely used in industries for material management, billing, inventory control and legal weighing purposes.

INSTALLATION TYPES: CHOOSE WHAT FITS YOUR SITE

PIT TYPE WEIGHBRIDGE



- Platform at ground level
- No ramp required
- Smooth & straight vehicle movement
- Space saving solution
- Ideal for space restricted sites

Best for: Areas where space is limited and smooth traffic movement is required like factories, warehouses, ports, logistics parks, city areas.

PIT LESS (SURFACE) WEIGHBRIDGE



- Platform above ground level
- Ramp on both sides
- Easy maintenance access
- Better water drainage
- Ideal for open & large areas

Best for: Open spaces, mining areas, cement plants, steel plants, construction sites, where maintenance access and drainage are important.

HOW IT WORKS

1. Truck enters the weighbridge.
2. Weight is sensed by digital load cells.
3. Digital signal is sent to the indicator.
4. Weight is displayed, stored and can be printed or transferred to software.
5. Data can be integrated with ERP, SAP, RFID, Boom Barrier and more.

HOW IT HELPS YOUR BUSINESS – REAL TIME EXAMPLES

EXAMPLE 1: INWARD MATERIAL



Truck Arrives → Weighing → Inward Entry

A truck carrying raw material arrives at your plant.

- Gross weight is captured.
- Data is saved with date, time, vehicle no.
- Helps in accurate inventory of material.

EXAMPLE 2: OUTWARD MATERIAL



Weighing → Truck Leaves → Dispatch

After loading the material, truck is weighed again.

- Tare weight is deducted automatically.
- Net weight is calculated.
- Invoice/Challan is generated.

EXAMPLE 3: INVENTORY CONTROL



Data Collection → Data Storage → Reports

All weighment data is stored and analyzed.

- Stock level is always up-to-date.
- Reports help in decision making.
- Reduces material loss and discrepancies.

EXAMPLE 4: ANTI-CHEATING & SECURITY



Anti-Cheating → CCTV Capture → Secure Data

Digital technology ensures safe & tamper proof data.

- No manual interference.
- CCTV captures vehicle images.
- Protection from fraud and disputes.

KEY BENEFITS FOR YOUR INDUSTRY

HIGH ACCURACY
Digital load cells provide precise weighing even in harsh industrial conditions.

FASTER WEIGHMENT
Stable and quick weight readings reduce truck waiting time.

ANTI-CHEATING PROTECTION
Fully digital technology prevents tampering and ensures transparent weighing.

EASY INTEGRATION
Connects easily with ERP, SAP, RFID, PLC, Boom Barrier, CCTV, Software and more.

DATA MANAGEMENT
Automatic data storage, reports, MIS, and cloud backup for complete control.

LOW MAINTENANCE
Digital system with remote diagnostics reduces downtime and maintenance cost.

BETTER PERFORMANCE
Strong structure, high quality components and digital electronics ensure long life and reliability.

WIDELY USED IN

CEMENT PLANTS
Weighing of raw material, clinker, cement dispatch.

STEEL INDUSTRIES
Scrap weighing, material inward and outward.

MINING & QUARRY
Weighing of mined material, coal, stones and minerals.

LOGISTICS & TRANSPORT
Freight billing, transport management and fleet control.

CHEMICAL & PETROCHEMICAL
Raw material tracking, product dispatch and inventory control.

AGRICULTURE & GRAIN
Weighing of grains, fertilizers, seeds and agricultural products.

SCRAP YARDS
Accurate scrap weighing for billing & records.

PORTS & CONTAINER YARDS
Container weighing, import/export management.

WAREHOUSES & INDUSTRIES
Material inward, stock control and dispatch management.

WHY CHOOSE TAJ INSTRUMENTS-INDIA WEIGHBRIDGE?

- Quality assured products
- Customized solutions as per your needs
- Expert installation & after sales support
- Legal for trade approved options
- Advanced technology at competitive price
- Trusted by industries across India

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MFG. BY: TAJ INSTRUMENTS-INDIA

ITEM: TI-DS3 Digital Weighbridge Indicator



- Supports 1–16 Digital Load Cells
- RS485 Communication (Long Distance up to 1000m)
- High Precision Σ-Δ A/D Conversion
- 1000+ Data Storage Capacity
- Multi Printer Support (Epson / POS / Thermal)
- Ideal for Weighbridge & Industrial Applications

JUMBO WIRELESS LED DISPLAY

ALSO AVAILABLE ON DEMAND



- HIGH ACCURACY
- LONG DISTANCE COMMUNICATION UP TO 1 KM
- HIGH STORAGE CAPACITY
- MULTI PRINTER & SOFTWARE COMPATIBLE
- STABLE PERFORMANCE IN HEAVY INDUSTRIAL ENVIRONMENT
- POWER-OFF DATA PROTECTION

TECHNICAL SPECIFICATIONS

GENERAL DETAILS

Model	: TI-DS3
Type	: Digital Weighbridge Indicator
Accuracy Class	: Class III
Application	: Weighbridge / Platform Scale / Industrial Systems

DIGITAL LOAD CELL SYSTEM

Interface	: RS485
Capacity	: 1 to 16 Digital Load Cells
Distance	: Up to 1000 meters
Load Cell Supply	: DC 10 – 12V, ≤ 400mA

DISPLAY & OPERATION

Display	: 7 Digit Bright LED Display
Indicators	: Gross / Net / Stable / Tare / Zero
Keyboard	: Multi-function Keypad

PERFORMANCE

A/D Conversion	: High Precision Sigma-Delta
Division	: Multi Division Selection
Calibration	: External Calibration
Corner Correction	: Supported (Angle Adj.)
Zero Tracking	: Adjustable
Stability	: Anti-vibration Software

MEMORY & DATA

Vehicle Memory	: 1000 Records
Cargo Items	: 201 Items
Weighing Records	: 1001 Records
Data Protection	: Power-off Memory Backup
Data Management	: Save / Check / Delete / Search

COMMUNICATION

Standard	: RS232
Optional	: RS485 / RS422
Baud Rate	: 600 / 1200 / 2400 / 4800 / 9600
Scoreboard Output	: 20mA Current Loop
Scoreboard Distance	: Up to 2000 meters

PRINTER COMPATIBILITY

- Epson LQ-300K / LQ300K+
- Panasonic KX-P1121 / KX-P1131
- POS58 / T58D Thermal Printer

POWER SUPPLY

AC Supply	: 100 – 264V AC, 50–60Hz
DC / Battery	: 12V / 7Ah Rechargeable
Power Protection	: Fuse 0.5A

MECHANICAL DETAILS

Dimensions (L x W x H)	: 290 x 75 x 210 mm (Approx.)
Weight	: 2.7 – 3.7 kg (Approx.)
Housing	: ABS High Strength Plastic

WARRANTY
1 YEAR
1 Year Warranty
(For Main Motherboard Only)

For Product Inquiry Call or WhatsApp: +91 8511201789 +91 9328511234

Website: www.tajinstruments.in www.tajinstruments.com

Location: Rajkot, Gujarat (INDIA)

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* MSME UDYAM Reg.No.: GJ-20-0071966

MFG. BY: TAJ INSTRUMENTS-INDIA

ITEM: PIT LESS (ON THE GROUND) WEIGHBRIDGE STRUCTURE

HEAVY DUTY | HIGH ACCURACY | LONG LASTING

Pit Less Weighbridge is installed on the ground with a ramp for vehicle entry. It does not require a pit construction, making installation faster, easier and cost effective.



Heavy Duty
Rocker Column Load Cell
High Accuracy & Repeatability
Long Term Stability
IP67 / IP68 Protection



KEY FEATURES

- On The Ground Installation With Ramp
- No Pit Construction Required Cost Effective
- Easy Vehicle Entry & Exit
- Strong & Durable Structure
- High Accuracy & Stability
- Suitable for Industrial & Commercial Use
- Low Maintenance & Long Life

On The Ground Level | Ramp Required | Easy Vehicle Entry | Strong & Durable Structure | High Accuracy & Stability

On ground installation with ramp – no pit required, fast installation & low maintenance.

PIT LESS (ON THE GROUND) WEIGHBRIDGE STRUCTURE DETAILS – 2026

No.	Platform Size in (FT / MTR)	Cap / Accu(+/-)	Number Of Load Cell & Type	Structure Details	Approx. Weights
1.	(W)7ft x (L)14ft (2.13 x 4.26 mtr)	10Ton-1KG	6pc - Shear Beam	4"x3" "C" Channel Structure with 5mm Chekar TOP	800 KG
2.	(W)7ft x (L)14ft (2.13 x 4.26 mtr)	10Ton-1Kg	4pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 250x125mm-14ftx2pc x 160Kg = 320 Kg *Centre Beam-150x75mm- 8pc x 37.500Kg=300Kg *10mm Top Plate-400Kg	1020 KG
3.	(W)25ft x (L)10ft (7.5 x 3 mtr)	50/60Ton-5/10Kg	4pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 450x150mm-25ftx2pc x 560Kg = 1120 *Centre Beam-250x125mm-13pc x 125Kg= 1625Kg *12mm Top Plate-2270Kg /*Extra Accessories & Fastners- 185Kg	5200 KG
4.	(W)30ft x (L)10ft (9 x 3 mtr)	80Ton-10Kg	6pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 450x150mm-15ftx4pc x 334Kg = 1336 *Centre Beam-250x125mm-16pc x 125Kg= 2000Kg *12mm Top Plate-2730Kg /*Extra Accessories & Fastners- 134Kg	6200 KG
5.	(W)33ft x (L)10ft (10 x 3 mtr)	80Ton-10KG	6pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 450x150mm-16.5ftx4pc x 368Kg =1472 *Centre Beam-250x125mm-18pc x 125Kg= 2250Kg *12mm Top Plate-2850Kg /*Extra Accessories & Fastners- 128Kg	6700 KG
6.	(W)40ft x (L)10ft (12 x 3 mtr)	100Ton-10Kg	6pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 450x150mm-20ftx4pc x 446Kg = 1784 *Centre Beam-250x125mm-21pc x 125Kg= 2625Kg *12mm Top Plate-3650Kg /*Extra Accessories & Fastners- 141Kg	8200 KG
7.	(W)45ft x (L)10ft (13.7 x 3 mtr)	100Ton-10Kg	8pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 450x150mm-15ftx6pc x 335Kg = 2010 *Centre Beam-250x125mm-24pc x 125Kg= 3000Kg *12mm Top Plate-4100Kg /*Extra Accessories & Fastners- 200Kg	9310 KG
8.	(W)50ft x (L)10ft (15 x 3 mtr)	100Ton-10Kg	8pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 450x150mm-16.5ftx6pc x 368Kg = 2208 *Centre Beam-250x125mm-26pc x 125Kg= 3250Kg *12mm Top Plate-4550Kg /*Extra Accessories & Fastners- 192Kg	10200 KG
9.	(W)52ft x (L)10ft (16 x 3 mtr)	100Ton-10Kg	8pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 450x150mm-17.4ftx6pc x 390Kg = 2340 *Centre Beam-250x125mm-26pc x 125Kg= 3250Kg *12mm Top Plate-4600Kg /*Extra Accessories & Fastners- 510Kg	10700 KG
10.	(W)60ft x (L)10ft (18 x 3 mtr)	100Ton-10Kg	8pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 450x150mm-20ftx6pc x 445Kg = 2670 *Centre Beam-250x125mm-30pc x 125Kg= 3750Kg *12mm Top Plate-5460Kg /*Extra Accessories & Fastners- 180Kg	11700 KG

* Note: All weights are approximate. Structure can be customized as per customer requirement.

Custom Sizes & Capacities Available as per Customer Requirement

STRUCTURE & TECHNICAL DETAILS

- **STRUCTURE** — Heavy Duty MS "C" Channel Structure
- **TOP PLATE OPTIONS** — 5mm / 10mm / 12mm Chequered Plate (Optional)
- **LOAD CELL TYPE** — Rocker Column Compression Load Cell (Single Column)
- **ACCURACY** — High Precision Weighing Class III
- **PROTECTION** — IP67 / IP68
- **PERFORMANCE** — High Stability & Accuracy for Industrial Use
- **INSTALLATION** — On The Ground With Ramp
- **COATING** — Industrial Grade Paint / Powder Coating
- **CAPACITY RANGE** — Up to 100 Ton

WHY CHOOSE PIT LESS WEIGHBRIDGE?

- No pit construction required
- Quick & easy installation
- Cost effective solution
- Smooth vehicle entry with ramp
- Suitable for all types of industries
- Strong, durable & long lasting structure

1 YEAR WARRANTY
(For Main Motherboard Only)

For Product Inquiry Call or WhatsApp: +91 8511201789 +91 9328511234

Website: www.tajinstruments.in www.tajinstruments.com

Location: Rajkot, Gujarat (India)

WEIGH TAJ
weighing at its best

CE | RoHS

* MSME UDYAM Reg.No.: GJ-20-0071966

MFG. BY: TAJ INSTRUMENTS-INDIA

ITEM: PIT TYPE (UNDERGROUND) WEIGHBRIDGE STRUCTURE



WHAT IS PIT TYPE WEIGHBRIDGE?

A Pit Type Weighbridge is installed in a pit below ground level. The platform is flush with the road surface, allowing vehicles to move directly over it without any ramp.

WHERE IT IS USED

- Factories with limited space
- Industrial plants (Steel, Cement, Chemical)
- Warehouse & logistics areas
- Locations where clean & compact installation is required
- Entry / exit gates where ramp is not possible

PIT TYPE AT A GLANCE

Installation	Ramp	Space	Appearance
Ground Level	Not Required	Less Space	Clean & Compact

Installed at ground level – No ramp required, space-saving and ideal for industrial premises.

PIT TYPE INSTALLATION VIEW (UNDERGROUND)



LOAD CELL

(Actual Product Image)



PIT TYPE (UNDERGROUND) WEIGHBRIDGE STRUCTURE DETAILS

No.	Platform Size (FT / MTR)	Cap / Accu(+/-)	Number Of Load Cell & Type	Structure Details	Approx. Weights
1.	(W)7ft x (L)14ft (2.13 x 4.26 mtr)	10Ton-1KG	6pc - Shear Beam	4"x3" "C" Channel Structure with 5mm Chekar TOP	800 KG
2.	(W)7ft x (L)14ft (2.13 x 4.26 mtr)	10Ton-1Kg	4pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 250x125mm-14ftx2pc x 160Kg = 320 Kg *Centre Beam-150x75mm-8pc x 37.500Kg=300Kg *10mm Top Plate-450Kg / *Extra Accessories & Fastners-100Kg	1170 KG
3.	(W)25ft x (L)10ft (7.5 x 3 mtr)	50/60Ton-5/10Kg	4pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 450x150mm-25ftx2pc x 560Kg = 1120 *Centre Beam-250x125mm-13pc x 98Kg= 1274Kg *12mm Top Plate-2270Kg / *Extra Accessories & Fastners-286Kg	4950 KG
4.	(W)30ft x (L)10ft (9 x 3 mtr)	80Ton-10Kg	6pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 450x150mm-15ftx4pc x 334Kg = 1336 *Centre Beam-250x125mm-16pc x 98Kg= 1568Kg *12mm Top Plate-2730Kg / *Extra Accessories & Fastners-375Kg	6090 KG
5.	(W)33ft x (L)10ft (10 x 3 mtr)	80Ton-10KG	6pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 450x150mm-16.5ftx4pc x 368Kg = 1472 *Centre Beam-250x125mm-18pc x 98Kg= 1764Kg *12mm Top Plate-2850Kg / *Extra Accessories & Fastners-400Kg	6486 KG
6.	(W)40ft x (L)10ft (12 x 3 mtr)	100Ton-10Kg	6pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 450x150mm-20ftx4pc x 446Kg = 1784 *Centre Beam-250x125mm-21pc x 98Kg= 2058Kg *12mm Top Plate-3650Kg / *Extra Accessories & Fastners-400Kg	7892 KG
7.	(W)45ft x (L)10ft (13.7 x 3 mtr)	100Ton-10Kg	8pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 450x150mm-15ftx6pc x 335Kg = 2010 *Centre Beam-220x125mm-24pc x 98Kg= 2352Kg *12mm Top Plate-4100Kg / *Extra Accessories & Fastners-450Kg	8912 KG
8.	(W)50ft x (L)10ft (15 x 3 mtr)	100Ton-10Kg	8pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 450x150mm-16.5ftx4pc x 368Kg = 2208 *Centre Beam-250x125mm-26pc x 98Kg= 2548Kg *12mm Top Plate-4550Kg / *Extra Accessories & Fastners-600Kg	9906 KG
9.	(W)52ft x (L)10ft (15 x 3 mtr)	100Ton-10Kg	8pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 450x150mm-17.4ftx4pc x 390Kg = 2340 *Centre Beam-250x125mm-26pc x 98Kg= 2548Kg *12mm Top Plate-4600Kg / *Extra Accessories & Fastners-600Kg	10088 KG
10.	(W)60ft x (L)10ft (18 x 3 mtr)	100Ton-10Kg	8pc-Single Column Rocker Type Compression Load Cell	*Side Beam- 450x150mm-20ftx6pc x 445Kg = 2670 *Centre Beam-250x125mm-30pc x 98Kg= 2940Kg *12mm Top Plate-5460Kg / *Extra Accessories & Fastners-630Kg	11920 KG

* Note: Custom sizes and capacities available as per requirement.

STRUCTURE & TECHNICAL DETAILS

- **STRUCTURE** — Heavy Duty MS "C" Channel Structure
- **TOP PLATE OPTIONS** — 5mm / 10mm / 12mm Chequered Plate
- **ACCURACY** — High Precision Weighing
- **LOAD CELL TYPE** — Compression Load Cell (Single Column Rocker Type)
- **PROTECTION** — IP68
- **PERFORMANCE** — High Stability & Accuracy for Industrial Use

WHY CHOOSE PIT TYPE?

- Installed at ground level
- No ramp required
- Less space required
- Smooth vehicle movement
- Clean & compact installation

For Product Inquiry Call or WhatsApp: +91 8511201789 +91 9328511234

Website: www.tajinstruments.in www.tajinstruments.com

Location: Rajkot, Gujarat (India)

WENSAR®
AN ISO 9001:2015 COMPANY

WENSAR MAKE PRODUCT MARKETED BY:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer:Wensar Make)

TAB21T, TAB61T

ISO 9001:2015 | CE | RoHS





2.1g/ 0.001mg, 6.1g/0.001mg

Micro Balance
TAB21T, TAB61T

Standard Supply - Antivibration Pad and Antistatic Ionizer

ION | HI-F.R | TOUCH | DATABAS | GLP | CLOCK | RECIPE | TEXTILE | RS 232 | USB
UNITS | PCS | LIMITS | % WEIGH | ADD | ANIMAL | DENSITY | PEAK | STAT | PASSWORD
LANG

E - Catalogue

SALIENT FEATURES

- Date & Time Function
- 5" Touch Screen Display
- Automatic Internal Calibration
- Embedded functions such as formulation, GLP, advance piece-counting etc.,
- Multi Language, 7 Language Interface
- Double wind shield for enhanced ventilation and temperature variation protection
- External ioniser included with the balance to eliminate static charges
- Multiuser Password Protection
- RS232C, USB port
- Animal Weighing
- Piece Counting Weighing
- Percentage Weighing
- Totalizing (Add) Function
- Threshold Function (High & Low)

Multiple Weighing Units

Gram	Toys Ounce
Miligram	Grain
carat	Honkong Teal
Ounce	Taiwan Teal
Pound	Momme
Penny weight	Custom units

SPECIFICATIONS

MODEL	TAB21T	TAB61T
Max. (Capacity)	2.1g	6.1g
Readability (d)	0.001mg	
Reaptability	0.004mg	
Linearity (±)	0.005mg	
Make	WENSAR	
Calibration	Internal Calibration	
Display	5" Touch Screen Display	
Indicator Dimension (LxWxH)	173 x 180 x 92mm	
Distance pan/ top windshield	75mm	
Winshield Internal diameter	165mm	
Response Time	≤ 8Sec	
Pan Size	30mm	
Tare Range	Full	
Operating Temperature	18°C to 24°C	
Weighing Chamber Size	165 x 165 x 75mm	
Unit	g, mg, oz, ct, lb, ozt, dwt, GN, K1, K2, K3	
Baud rate Options	1200, 2400, 4800, 9600, 19200, 38400	
Interface	RS232C, USB	
Power Supply	Adaptor, Using AC220V/50-60Hz	
Packing Dimension (LxWxH)	555 x 385 x 470mm	
Gross Weight	11kg	

MICRO BALANCE



A clear interface will show all the data also with real time bars



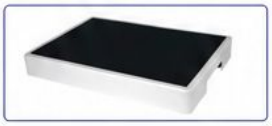
A wide number of embedded functions come embedded with the balance



The double wind-shield is built with a metal evaporated metal coating to help to reduce at minimum static charges



Ioniser is provided together with the balance. By blowing ions it neutralizes static electricity on charged samples like plastic parts, containers or films



Antivibration Pad

HIGH ACCURACY | DURABLE CONSTRUCTION | EASY TO USE | RELIABLE PERFORMANCE

FOR PRODUCT INQUIRY
Call or WhatsApp:
+91 8511201789 | +91 9328511234

WEBSITE:
www.tajinstruments.in
www.tajinstruments.com

LOCATION:
Rajkot, Gujarat (India)

PRECISION • ACCURACY • RELIABILITY

WENSAR®
AN ISO 9001:2015 COMPANY

Wensar Make Products Marketed By: **TAJ INSTRUMENTS-INDIA**

(Authorised Dealer:WENSAR Make)

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TAB9T

SEMI MICRO / ANALYTICAL BALANCE

TOUCH SCREEN



102/220g - 0.01/0.1mg

Semi Micro / Analytical Balance

Touch Screen **TAB9T**

High precision Semi Micro Analytical Balance designed for laboratory, pharmaceutical and research applications requiring ultra-accurate measurement up to 0.01 mg resolution. Equipped with 5" touch screen interface and internal calibration system for stable and reliable results.

SPECIFICATIONS

Model	TAB9T
Make	WENSAR
Capacity	102 / 220g
Readability	0.01 / 0.1mg
Repeatability	0.01 / 0.1mg
Linearity (±)	0.04mg / 0.4mg
Sensitivity Drift	3ppm/°C
Display	5" Touch Screen Display
Response Time	≤6 sec.
Pan Size	80mm
Windshield Dimension	162 x 171 x 225mm
Calibration	Internal calibration
Operating Temperature	15°C - 25°C
Interface	RS232C, USB (DATA export)
Density Function	Yes with Density Index Calculation
Printout Results	Data, Time, Instrument ID, Weight, GLP
Password Protection	Yes
Memory	3000
Baud Rate	1200, 2400, 4800, 9600, 19200, 38400
Power Supply	Adaptor 24V / A, AC 220V / 50–60 Hz
Packing Dimension (LxWxH)	515 x 400 x 525mm
Gross Weight	9Kg

* Density Determination Kit for Liquid or Solid Samples separately (Optional)

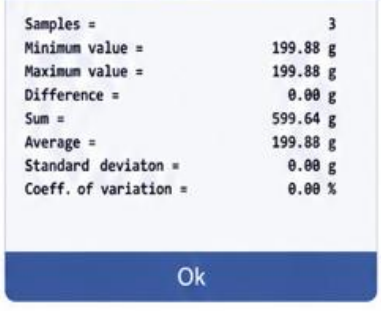
SALIENT FEATURES

- 5" Touch Screen Display
- EMFC Technology
- GLP, Internal Database
- Statistics report - Piece Counting & Textile Function
- Percentage(%), Check, Animal weighing functions
- Advanced Density function, with density index (DI) calculation
- Formulation (Recipe)
- RS232C, USB Interface
- Multiuser Password Protection

TOUCH SCREEN DISPLAY



REPORT



STANDARD ACCESSORIES


PAN


PAN RING


ADAPTOR


INSTRUCTION MANUAL


TEST CERTIFICATE

For Product Inquiry Call or WhatsApp:
+91 8511201789 | +91 9328511234

Website:
www.tajinstruments.in
www.tajinstruments.com

Location:
Rajkot, Gujarat
(INDIA)

PRECISION • ACCURACY • RELIABILITY

Wensar Make Product Marketed By:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer: WENSAR Make)

WENSAR®
AN ISO 9001:2015 COMPANY

ISO 9001:2015 | CE | RoHS





Antivibration Pad - Standard Supply

KAB7L — SEMI MICRO / ANALYTICAL BALANCE

102g/0.01mg - 220g/0.1mg

Semi Micro / Analytical Balance
KAB7L

E- Catalogue

EMFC | DUAL RANGE | CAL INT | RS 232C | UNITS

DENSITY | PCS | % WEIGH | ADD | THRESHOLD

SPECIFICATIONS

MODEL	KAB7L
Max. (Capacity)	102g / 220g
Readability (d)	0.01mg / 0.1mg
Repeatability	0.01mg / 0.1mg
Linearity (±)	0.04mg / 0.4mg
Min. (Capacity)	1mg
Make	WENSAR
Calibration	Internal Calibration
Class	Class I
Display	Graphic Display with back light
Response Time	4 - 6 Sec
Pan Size (mm)	80mm ⌀
Tare Range	Full
Operating Temperature	+15°C to +30°C
Density	Function Available
Weighing Chamber Size	170 x 160 x 220mm
Unit	g, mg, oz, ct, lb, ozt, dwt, GN
Application Mode	PCS%, Check Weighing, Animal Weighing, Threshold Function, Density, Σ Weighing
Baud rate Options	1200, 2400, 4800, 9600
Interface	RS232C
Power Supply	DC24V, Using AC 220V / 50-60Hz
Packing Dimension (LxWxH)	515 x 400 x 525mm
Gross Weight	8kg

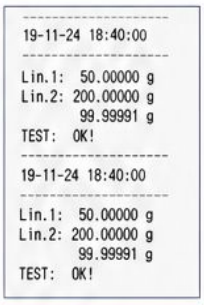
★ Specifications are subject to change without notice.

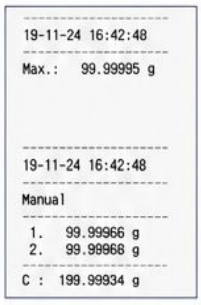
SALIENT FEATURES

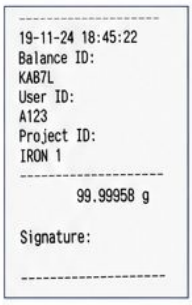
- Electro Magnetic Force Compensation
- User Selectable Environmental Filter
- Automatic Internal Calibration
- White Back Light with Adjustable Contrast
- RS232C Interface
- Plastic Protection cover for Keypad
- Multiple Weighing Units
- GLP record of last stored calibration data
- Dual Range (0.01mg/0.1mg)
- Animal Weighing
- Density Function
- Piece Counting Weighing
- Percentage Weighing
- Totalizing (Add) Function
- Threshold Function (High & Low)
- Graphic Display, Date & Time Function
- Recipe Data Base : 99 recipes can be stored, each with upto 20 ingredients

* Density Determination Kit for Liquid or Solid Samples separately (Optional)









STANDARD ACCESSORIES


Main Instrument


Weighing PAN


Weighing Ring


Power Adaptor


Antivibration Pad


Instruction Manual


Test Certificate

For Product Inquiry Call or WhatsApp:
+91 8511201789 | +91 9328511234

Website:
www.tajinstruments.in
www.tajinstruments.com

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(INDIA)

PRECISION • ACCURACY • RELIABILITY

Wensar Make Product Marketed By:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer: WENSAR Make)

WENSAR® AN ISO 9001:2015 COMPANY

ISO 9001:2015

KAB4L

SEMI MICRO / ANALYTICAL BALANCE



82g/0.01mg - 220g/0.1mg

Semi Micro / Analytical Balance

KAB4L

E- Catalogue

EMFC | DUAL RANGE | CAL INT | RS 232C | UNITS

DENSITY | PCS | % WEIGH | ADD | THRESHOLD

SPECIFICATIONS

MODEL	KAB4L
Max. (Capacity)	82 / 220g
Readability (d)	0.01mg / 0.1mg
Repeatability	0.01mg / 0.1mg
Linearity (±)	0.04mg / 0.4mg
Min. (Capacity)	1mg
Make	WENSAR
Calibration	Internal Calibration
Class	Class I
Display	White Back Light with Adjustable Contrast
Response Time	4 - 6 Sec
Pan Size (mm)	80 mm Ø
Tare Range	Full
Operating Temperature	+15°C to +30°C
Density	Function Available
Weighing Chamber Size	162 x 171 x 225mm
Unit	g, mg, oz, ct, lb, ozt, dwt, GN,
Application Mode	PCS,%, Weighing, Animal Weighing, Threshold Function, Density, Totalizing (Add) Weighing
Baud rate Options	1200, 2400, 4800, 9600
Interface	RS232C
Power Supply	DC Adapter 24V, using AC 220V / 50-60Hz
Packing Dimension (LxWxH)	520 x 400 x 525mm
Gross Weight	8kg

* Specifications are subject to change without notice.

* Density Determination Kit for Liquid or Solid Samples separately (Optional)

SALIENT FEATURES

- Electro Magnetic Force Compensation
- User Selectable Environmental Filter
- Automatic Internal Calibration
- White Back Light with Adjustable Contrast
- RS232C Interface
- Plastic Protection cover for Keypad
- Multiple Weighing Units
- Dual Range (0.01mg/0.1mg)
- Animal Weighing
- Density Function
- Piece Counting Weighing
- Percentage Weighing
- Totalizing (Add) Function
- Threshold Function (High & Low)





ESC

ON / OFF

STANDARD ACCESSORIES


Main Instrument


Weighing PAN


Weighing Ring


Power Adapter


Instruction Manual


Test Certificate

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PRECISION • ACCURACY • RELIABILITY

Wensar Make Product Marketed By:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer:WENSAR Make)

WENSAR® AN ISO 9001:2015 COMPANY

ISO 9001:2015



TAB10T

SEMI MICRO / ANALYTICAL BALANCE

TOUCH SCREEN

81/220g - 0.01/0.1mg

Semi Micro / Analytical Balance

TAB10T

Pcs | Unit | Calibration | U | RS-232 | USB | CE | ISO9001

SALIENT FEATURES

- 4.3" Touch Screen Display
- EMFC Technology
- Multi-unit weighing function
- RS232C, USB Interface
- Glass windshield-antistatic material
- Fast sensitivity setting
- Time on display
- Built-in Temperature sensor
- GLP / GMP compliance

WEIGHING FUNCTIONS

- Basic weighing
- Dynamic weighing
- Piece counting
- Percent weighing
- Density determination
- Σ weighing function



SPECIFICATIONS

MODEL	TAB10T
Max. (Capacity)	81g / 220g
Readability	0.01mg / 0.1mg
Repeatability	0.01mg / 0.1mg
Linearity (±)	0.04mg/0.4mg
Make	WENSAR
Verification Scale Intervals (e)	1mg
Calibration	Internal Calibration
Class	Class I
Display	Touch Screen Display
Response Time	4 - 6 Sec
Pan Size (mm)	90 mm Ø
Tare Range	Full
Operating Temperature	15°C to 30°C
Sensitivity Drift (±)	2ppm / °C
Density	Function Available
Data Output Mode Selection	Command & Continuous Output
Factory Reset Option	Available
Weighing Chamber Size	162 x 180 x 210mm
Unit	g, mg oz, ct,
Application Mode	Basic, Dynamic, Percentage Weighing, Piece Counting, Density Determination, Σ weighing function
Baud rate Options	1200, 2400, 4800, 9600
Interface	RS232C, USB
Power Supply	DC9V, Adaptor using AC 220V / 50-60Hz
Packing Dimension (LxWxH)	420 x 315 x 445 mm
Gross Weight	9Kg

* Density Determination Kit for Liquid or Solid Samples separately (Optional)

STANDARD ACCESSORIES


Main Instruments


PAN


Power Adaptor


Instruction Manual


Test Certificate

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PRECISION • ACCURACY • RELIABILITY

WENSAR®
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Wensar Make Products Marketed By:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer: WENSAR Make)

ISO 9001:2015 | CE | RoHS

TAB5T, TAB11T, TAB12T

TOUCH SCREEN ANALYTICAL BALANCE



```
--------------------------------
 6 May 2025 12:26:20
--------------------------------
Sinker density:
2.200 g/cm3

W.Air:          6.1842 g

W.Liq.:         1.1422 g

Result (Liquid Density):
1.7937 g/cm3

--------------------------------
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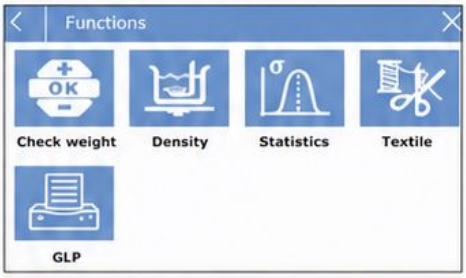
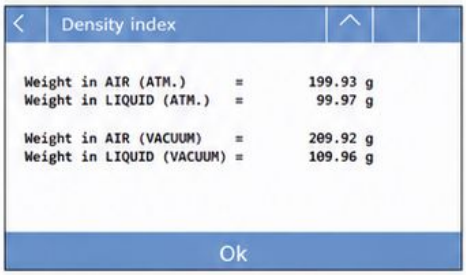
E - Catalogue





220g/0.1mg, 310g / 0.1mg, 510g / 0.1mg

Touch Screen

Analytical Balance

TAB5T, TAB11T, TAB12T

SALIENT FEATURES

- 5" Touch Screen Display
- EMFC Technology
- Internal Calibration
- GLP, Internal Database
- Statistics report - Piece Counting & Textile Function
- Percentage(%), Check, Animal weighing functions
- Advanced Density function, with density index (DI) calculation
- Underhook Weighing, Formulation (Recipe)
- RS232C, USB port for import/export database data
- Multiuser Password Protection

SPECIFICATIONS

MODEL	TAB5T	TAB11T	TAB12T
Make	WENSAR		
Capacity	220g	310g	510g
Readability	0.1mg		
Repeatability	0.1mg		
Linearity (±)	0.3mg	0.3mg	0.5mg
Verification Scale Interval	1mg		
Display	5" Touch Screen Display		
Response Time	4 to 5sec.		
Pan Size	80mm		
Windshield Dimension	162 x 171 x 225mm (3 sides)		
Printout Results	Date, Time, Instruments ID, Weigh GLP		
Calibration	Internal		
Class	I		

Operating Temperature	15°C to 30°C
Interface	RS232C & USB (DATA EXPORT)
Density Function	Available
Password Protection	Yes
Memory	3000
Sensitivity Drift (±)	3ppm/°C
Baud Rate	1200,2400,4800,9600,19200, 380400
Power Supply	Adaptor using 24V 1A, AC 220V / 50-60 Hz
Dimension (L x W x H)	515 x 400 x 525mm
Gross Weight	8Kg

*Specifications are subject to without notice.

STANDARD ACCESSORIES


Main Instrument


PAN


Power Adaptor



Instruction Manual


Test Certificate

STANDARD ACCESSORIES : Main Instrument, PAN, Power Adaptor, Instruction Manual, Test Certificate.

For Product Inquiry Call or WhatsApp:
+91 8511201789 | +91 9328511234

Website:
www.tajinstruments.in
www.tajinstruments.com

Location:
Rajkot, Gujarat
(INDIA)

PRECISION • ACCURACY • RELIABILITY

WENSAR®
AN ISO 9001:2015 COMPANY

Wensar Make Product Marketed By:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer: WENSAR Make)

ISO 9001:2015

PRECISE ACCURATE RELIABLE



KAB2L ANALYTICAL BALANCE

Keypad

Analytical Balance KAB2L

E- Catalogue

SPECIFICATIONS

MODEL	KAB2L
Make	WENSAR
Max. (Capacity)	220g
Readability (d)	0.0001g (0.1mg)
Repeatability	0.0001g
Linearity (±)	0.3mg
Min. Capacity	10mg
Verification Scale Intervals	1mg
Calibration	Internal Calibration
Class	Class I
Display	Graphic Display with Back Light
Printout of Results	Date, Time, Instrument ID, User ID, Project ID, Weight, Signature
Response Time	≤ 4 Sec
Pan Size (mm)	80mm Ø
Tare Range	Full
Operating Temperature	15°C to 30°C
Sensitivity Drift (±)	2ppm/°C
Density	Function Available
Key Sound	Yes
Data Output Mode	Command, Continuous, Stable
Unit	g, mg, ct, oz
Baud Rate Options	2400, 4800, 9600
Interface	RS232C
Power supply	DC Adaptor, Using AC 220V / 50-60Hz
Packing Dimension (L x W x H)	515 x 400 x 525mm
Gross Weight	8kg

*Specifications are subject to change without notice.

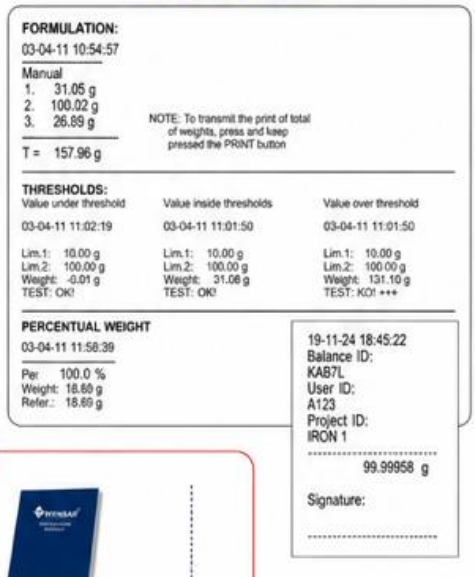
SALIENT FEATURES

- Graphic Display
- Internal Calibration
- GLP / ISO Record of last stored calibration data
- EMFC Based, Transportation lock
- Memory 99 recipes can be stored
- User selectable environmental Filter
- Piece Counting, Density, Check Weight, Percentage, Animal Weighing, Formulation,
- Hi-Lo limit Alarm, Date & time
- Underhook Weighing, RS232C interface
- Plastic protection cover for Display
- Multi language Option

Graphic Display



Printout of Results



STANDARD ACCESSORIES


Main Instrument


Weighing PAN


Power Adaptor

Instruction Manual

For Product Inquiry Call or WhatsApp:
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ISO 9001:2015



TAB1T TOUCH SCREEN ANALYTICAL BALANCE

220g/0.1mg

Touch Screen

Analytical Balance

TAB1T

E- Catalogue

SPECIFICATIONS

MODEL	TAB1T
Make	WENSAR
Max. (Capacity)	220g
Readability (d)	0.0001g
Repeatability	0.2mg
Linearity (±)	0.4mg
Min. Capacity	10mg
Verification Scale Intervals (e)	1mg
Calibration	Internal Calibration
Class	Class I
Display	5 inch Touch Screen
Response Time	3 - 5 Sec
Pan Size (mm)	80 mm Ø
Tare Range	Full
Operating Temperature	15°C to 30°C
Sensitivity Drift (±)	2ppm / °C
Density	Function Available
Key Sound	Yes
Weighing Chamber	240 x 190 x 265 mm
Unit	g, mg, ct, oz
Baud rate Options	1200, 2400, 4800, 9600
Interface	RS232C
Power Supply	AC 220V / 50-60 Hz
Packing Dimension (LxWxH)	510 x 370 x 515mm
Gross Weight	10kg

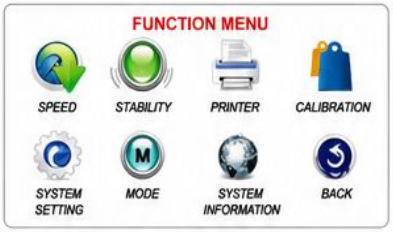
* Specifications are subject to change without notice.

Density Determination Kit for Liquid or Solid Samples separately (Optional)

SALIENT FEATURES

- Electro Magnetic Force Compensation
- 5" Touch Screen Display
- Percentage Weighing
- Multiple Weighing Units
- Density Determination Function
- RS232C Interface
- Piece Counting Function
- Underhook Weighing
- Calibration with Internal weight
- Time & Date Function









STANDARD ACCESSORIES


Main Instrument


Weighing PAN


Power Cable


Dust Cover


Instruction Manual


Test Certificate

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ISO 9001:2015

TAB2T, TAB3T — TOUCH SCREEN ANALYTICAL BALANCE



Touch Screen **220g, 320g / 0.1mg**

Analytical Balance - 0.1mg

TAB2T, TAB3T

E- Catalogue

SALIENT FEATURES

- Internal Calibration
- EMFC Based
- Touch Screen Display
- User Password Protection
- Percentage Weighing
- Multiple Weighing Units
- RS232C Interface
- Piece Counting Function
- Underhook Weighing
- Date Time Display
- Memory up to 20

SPECIFICATIONS

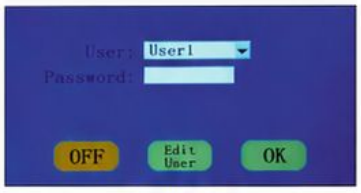
MODEL	TAB2T	TAB3T
Capacity	220g	320g
Make	WENSAR	
Readability (d)	0.0001g (0.1mg)	
Repeatability	0.0001g	
Linearity (±)	±0.0003g	
Min. Capacity	0.01g (10mg)	
Display	Touch Screen	
Pan Size (mm)	90mm Ø	
Response Time	4 - 6 Sec	
Calibration	Internal Calibration	
Tare Range	Full	
Operating Temperature	15°C to 30°C	
Unit	mg, g, ct, oz, ozt, GN, dwt, lb	
Weighing Chamber Height	210mm	
User Password	Yes	
Class	I	
Interface	RS232C	
Data Output Mode	Command, Continuous and Stable Output	
Power supply	AC 220V / 50-60Hz	
Packing Dimension (L x W x H)	505 x 390 x 520mm	
Gross Weight	10kg	

★ Specifications are subject to change without notice.

STANDARD ACCESSORIES :

Main Instrument, SS PAN Set, Power Cable, Dust Cover, Instruction Manual, Test Certificate.

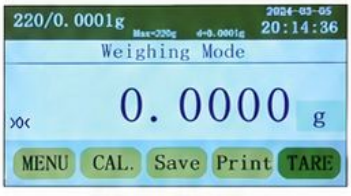
TOUCH SCREEN DISPLAY



Login Screen



Welcome Screen



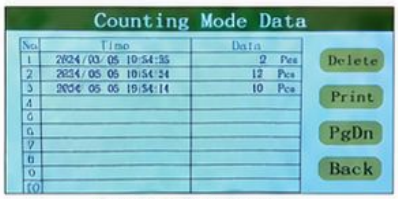
Weighing Display



Unit Selection Screen



Mode Selection Screen



Counting Data Screen

STANDARD ACCESSORIES


Main Instrument


SS PAN Set


Power Cable


Dust Cover


Instruction Manual


Test Certificate

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ISO 9001:2015 | CE | RoHS



KAB5L, KAB6L, KAB11L ANALYTICAL BALANCE

KAB5L : 220g / 0.0001g (0.1mg)

KAB6L : 320g / 0.0001g (0.1mg)

KAB11L : 60g / 0.0001g (0.1mg)

E- Catalogue

Keypad

Analytical Balance

KAB5L, KAB6L, KAB11L

SALIENT FEATURES

- Electro Magnetic Force Compensation
- Underhook Weighing
- Internal Auto Calibration
- LCD display
- RS232C Interface
- Piece Counting Function
- TARE
- Multiple Weighing Units

SPECIFICATIONS

MODEL	KAB5L	KAB6L	KAB11L
Capacity	220g	320g	60g
Make	WENSAR		
Readability	0.1mg (0.0001g)		
Repeatability	0.1mg		
Linearity (±)	0.3mg		
Min. (Capacity)	10mg		
Display	LCD		
Pan size	90mm Ø		
Response Time	4 - 6 Sec		
Calibration	Internal Calibration		
Tare Range	Full		
Operating Temperature	15°C to 30°C		
Unit	mg, g, ct, ozt, oz, GN, dwt, lb		
Key Sound	Yes		
Weighing Chamber height	210mm		
Baud Rate	200, 2400, 4800, 9600		
Class	I		
Interface	Rs232		
Data Output Mode	Command and Continuous Output		
Power Supply	AC 220V / 50-60Hz		
Packing Dimensions (LxWx H)	505 x 390 x 520mm		
Gross Weight	10kg		

STANDARD ACCESSORIES


Main Instrument


SS PAN Set


Power Cable


Dust Cover


Instructional Manual


Test Certificate

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ISO 9001:2015 | CE | RoHS

EMB11 MOISTURE ANALYZER



SALIENT FEATURES

- Internal Calibration
- E.M.F.C. Based
- 7 inch touch screen.
- Halogen Heating System.
- Temperature range: 40~230°C.
- Number of Storage upto 200.
- The mode for testing Automatic, Timing, Manual.
- Company Name, Sample Name, Contact No.can print
- Dual Motor Drive Automatic Open / Close
- Administrator / Operator Password access Login
- GMP / GLP Compliance

110g / 0.1mg

MOISTURE ANALYZER EMB11

E - Catalogue

7" TOUCH SCREEN INTERFACE



MENU



PARAMETER SETTINGS



HISTORY RECORD



HISTORY RECORD

SPECIFICATIONS

PARAMETER	EMB11
Make	WENSAR
Capacity	110g
Readability	0.0001g (0.1mg)
Repeatability	0.0001g
Linearity(±)	0.0003g
Display	7" inches Colour Touch Screen
Display Results	Moisture / Sample Weight / Dry%
Aluminium Sample PAN	Available
Pan Size	100mm
Sensor	EMFC
Calibration	Internal Calibration
Operating Temperature	5°C~35°C
Heating Source	Halogen Lamp
Interface & Communication	RS232C
Downtime Method	Automatic / Manual / Timing
Moisture resolution	0.001%
Temp. Setting	40°C-230°C
Temp. Step	1°C
Time Setting	1-99min
Test Pattern	Standard / Fast / Soft
Storage	Upto 200
Auto Chamber Open/Close	Yes
User Password Protection	Yes
Response Time	≤4
Date & Time	Available
Power Supply	AC 220V / 50-60 Hz
Packing Dimension (LxWxH)	485 x 345 x 355 mm
Gross Weight	10Kg

★ Specifications are subject to change without notice.

STANDARD ACCESSORIES


Main Instrument


Aluminum PAN (50nos)


Dust Plate


PAN Handle


PAN Supporter


Power Cable


Test Certificate

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(Authorised Dealer: WENSAR Make)

ISO 9001:2015

LMB20

210g / 1mg

MOISTURE ANALYZER

LMB20



SALIENT FEATURES

- Capacity - 210g / 1mg
- Loadcell Sensor
- 7 inches Display
- Halogen Heating System
- Temperature Range up to 200°C
- RS232C Interface
- The mode for testing Automatic
- Timing, Manual
- Wireless Indicator with Rechargeable Battery backup
- Auto chamber open/ close Function
- GLP Compliance

E - Catalogue

RS 232C | WIRELESS | 7" TOUCH | HALOGEN LAMP | AUTO MODE | MANUAL MODE | GLP | DATE & TIME | AUTO OPEN/CLOSE | GLP COMPLIANCE

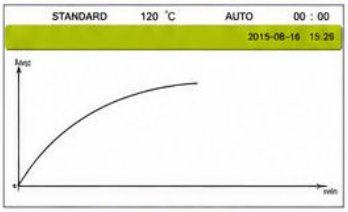
USER FRIENDLY INTERFACE



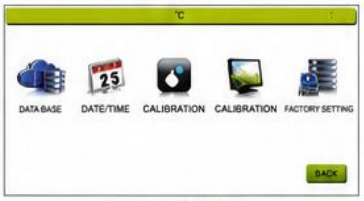
Main Menu



Weighing Display



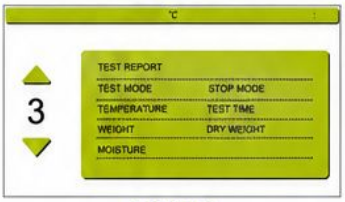
Drying Graph View



Database & Settings



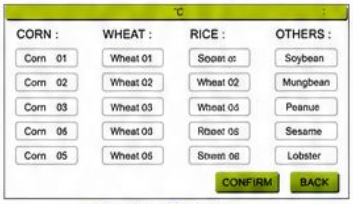
Test Mode & Settings



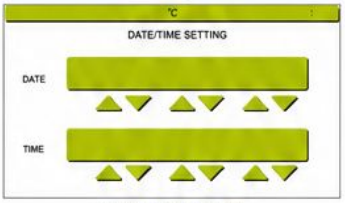
Test Report



Database



Product / Sample List



Date & Time Setting

SPECIFICATIONS

Model	LMB20	Heating Source	Halogen Lamp
Make	WENSAR	Interface & Communication	RS232C & Wireless Indication
Capacity	210g	Moisture Range	0.00%~100.00%
Readability	0.001g (1mg)	Moisture Resolution	0.01%
Repeatability	0.001g	Temp. Setting	40°C~200°C
Linearity	±0.003g	Temp. Step	1°C
Display	7 inches Touch Screen	Time Setting	1-99min.
Display Results	Moisture / Sample weight / Dry%	ATRO	100%~999%
Aluminium Sample PAN	Available	Storage	20 groups
Pan Size	100mm	Date & Time	Available
Sensor	Loadcell	Power Supply	AC 220V / 50-60 Hz
Calibration	Automatic External	Packing Dimension (LxWxH)	580 x 375 x 455mm
Operating Temperature	5°C - 35°C	Gross Weight	10Kg

★ Specifications are subject to change without notice.

STANDARD ACCESSORIES


Main Instrument


Indicator


Aluminium PAN


Dust Plate


PAN Handle


PAN Supporter


Power Cable


Instruction Manual & Test Certificate

For Product Inquiry
Call or WhatsApp:
+91 8511201789 | +91 9328511234

Website:
www.tajinstruments.in
www.tajinstruments.com

Location:
Rajkot, Gujarat
(INDIA)

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ISO 9001:2015 | CE | RoHS

LMB17T

MOISTURE ANALYZER - TOUCH SCREEN



160g / 1mg

Moisture Analyzer - Touch Screen

LMB17T

160g / 1mg

- 160g CAPACITY
- 1mg READABILITY
- LOADCELL SENSOR

SALIENT FEATURES

- Multi user Password Protection
- 5" Touch Screen 800×480 colour display
- Halogen lamp, Date & Time
- GLP / ISO record of last stored Calibration data
- Two heating Mode - Standard and Rapid
- Temperature Range : 40°C -160°C
- Temperature Profiles: Standard, fast, mild, steps
- Database stored with more than 30 products
- Test reports and drying graphic up to 3000 records, for each user
- Live Graph of humidity content changing
- Rapid Key Operation, Sample preheating
- Loadcell Base, Unit - g, mg,

E - Catalogue

RS 232 | UNITS | EM-FR | LC-HD | MODES | USB | GLP | GLP | CLOCK | GRAPH | PASSWORD

SPECIFICATIONS

PARAMETER	LMB17T
Make	WENSAR
Capacity	160g
Readability	0.001g (1mg)
Repeatability	0.001g (1mg)
Linearity (±)	0.002g
Display	5" Touch Screen Colour Display
Display Results	Moisture %, Dry residue %, ATRO, Weight
Printout Of Results	Date, Time, Instrument ID, User ID, Project ID, Temp., Mode, Moisture %,Signature
Pan Size	100mm
Sensor	Loadcell
Calibration	External
Operating Temperature	5°C - 35°C
Heating Source	Halogen Lamp
Interface	RS232C, USB
Temperature Profiles	Standard and Rapid
Temperature Setting	40°C-160°C
Temp. Step	1°C
Time Setting	Time (1-99min) / Autostop
Dry Readability	0.01%
Memory	3000
Database	30 Products
Rapid Key	10 Key
Power Supply	AC 220V / 50-60 Hz
Packing Dimension (LxWxH)	450 × 285 × 390mm
Gross Weight	7Kg

★ Specifications are subject to change without notice.

TOUCH SCREEN PREVIEWS



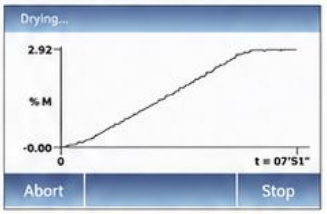
Main Functions Page



Drying Cycle Page

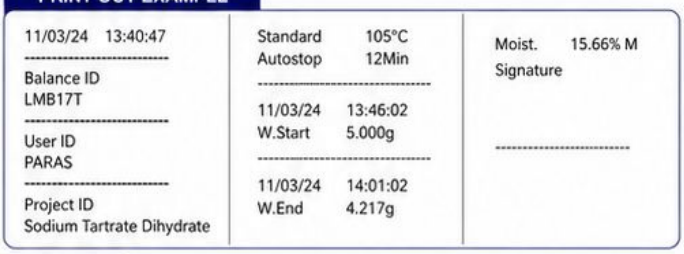


Product Database (Selection List)



Live Graph View (Full Screen)

PRINT OUT EXAMPLE



STANDARD ACCESSORIES



Main Instrument | Aluminium PAN (10 Pcs.) | Dust Plate | PAN Handle | PAN Supporter | Power Cable | Instruction Manual & Test Certificate

For Product Inquiry Call or WhatsApp:
+91 8511201789 | +91 9328511234

Website:
www.tajinstruments.in
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Location:
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PRECISION • ACCURACY • RELIABILITY

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ISO 9001:2015

LMB16 MOISTURE ANALYZER



160g / 1mg

160g CAPACITY

1mg READABILITY

LOADCELL SENSOR

SALIENT FEATURES

- Halogen Heating System
- Large Graphic Display
- GLP/ ISO record of last stored calibration data
- Two heating modes: Standard and Rapid
- Temperature Range: 40°C -160°C/1°C
- RS232C Interface
- Multi language
- Pre-heating on/off
- Loadcell Based, Unit- g, mg
- Date and Time

E - Catalogue

SPECIFICATIONS

PARAMETER	LMB16
Make	WENSAR
Capacity	160g
Readability	0.001g (1mg)
Repeatability	0.001g (1mg)
Linearity (±)	0.002g
Display	Graphic Display with back light
Display Results	Moisture %, Dry residue %, ATRO, Weight
Printout Of Results	Date, Time, Instrument ID, User ID, Project ID, Temp., Mode, Moisture %, Signature
Pan Size	100mm
Sensor	Loadcell
Calibration	Automatic External
Operating Temperature	5°C - 35°C
Heating Source	Halogen Lamp
Interface	RS232C
Temperature Profiles	Standard and Rapid
Temperature Setting	40°C-160°C
Temp. Step	1°C
Time Setting	Time (1~99min) / Autostop
Dry Readability	0.01%
Aluminium Sample PAN	10pcs.
Power Supply	AC 220V / 50-60 Hz
Packing Dimension (LxWXH)	450 x 280 x 390mm
Gross Weight	7kg

SPECIFICATIONS

★ Specifications are subject to change without notice.

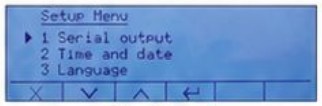
LARGE GRAPHIC DISPLAY



Main Display



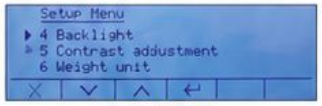
Weight Unit Selection



Setup Menu 1



Weight Unit Selection (mg)



Setup Menu 2



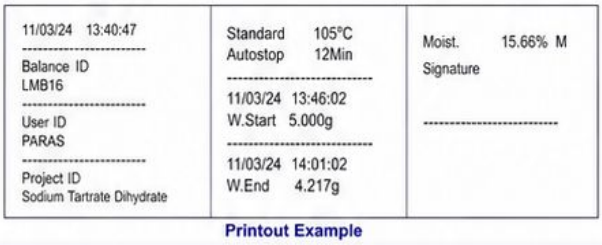
Drying End (Autostop)



Setup Menu 3



Calibration Screen



Printout Example

STANDARD ACCESSORIES



Main Instrument



Aluminum PAN (10 pcs.)



Dust Plate



PAN Handle



PAN Supporter



Power Cable



Instruction Manual & Test Certificate

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Wensar Make Products Marketed By:

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(Authorised Dealer: WENSAR Make)

LMB1, LMB1IR MOISTURE ANALYZER

LMB1

HALOGEN LAMP HEATING SOURCE



110g / 1mg

110g
110g CAPACITY
1mg READABILITY

LMB1IR

INFRARED LAMP HEATING SOURCE





E - Catalogue

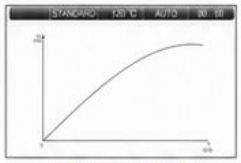
SALIENT FEATURES

- LMB1 - Halogen Lamp Heating Source
- LMB1IR - Infrared Lamp Heating Source
- Touch Screen, Loadcell Sensor
- Temperature and time can be set
- The percentage of Moisture content
- Curve (Graph) residual
- The percentage of dry
- Store historical setting
- RS232C Interface

SCREEN PREVIEWS



Main Menu



Curve (Graph) Residual



Test Report



Weighing Display (0.000 g)



Weighing Display (3.000 g)



Parameter Settings

SPECIFICATIONS

PARAMETER	LMB1	LMB1IR
Heating Source	Halogen Lamp	Infrared Lamp
Temperature Setting	40°C~199°C	40°C~160°C
Make	WENSAR	
Capacity	110g	
Readability	0.001g (1mg)	
Repeatability	0.001g	
Linearity (±)	0.003g	
Display	Touch Screen	
Pan Size	90 mm Ø	
Sensor	loadcell	
Calibration	Automatic External	
Operating Temperature	5°C to 35°C	
Temp. Sensor	PT - 100	
Interface	RS232C	
Temp. Step	1°C	
Time Setting	1~99 minutes	
Dry Readability	0.01%	
Dry Range	100.00% ~ 0.00%	
Curve	Yes	
Aluminium Sample PAN	Available	
No. of Storage	20	
Power Supply	AC 220V / 50-60 Hz	
Packing Dimension (LxWxH)	485 x 340 x 355 mm	
Gross Weight	7kg	

★ Specifications are subject to change without notice.

STANDARD ACCESSORIES


Main Instrument


Aluminium PAN (50 Nos.)


Dust Plate


PAN Handle


PAN Supporter


Power Cable


Instruction Manual


Test Certificate

For Product Inquiry Call or WhatsApp:
+91 8511201789 | +91 9328511234

Website:
www.tajinstruments.in
www.tajinstruments.com

Location:
Rajkot, Gujarat
(INDIA)

PRECISION • ACCURACY • RELIABILITY

WENSAR®
AN ISO 9001:2015 COMPANY

WENSAR MAKE PRODUCT MARKETED BY:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer:Wensar Make)

LMB5

ISO 9001:2015 | CE | RoHS



SALIENT FEATURES

- 5" Touch screen Display.
- Halogen Heating System.
- HBM Loadcell Sensor
- Drying Mode - Standard, Fast, Soft.
- Testing Mode - Auto, Timing, Manual.
- Memory - 100 data sets.
- Aluminium Alloy Base.
- Voice Speaker Option
- Graph Function, 5 User ID & Password.

50g / 1mg
Moisture Analyzer
LMB5

E - Catalogue

SPECIFICATIONS

HSN Code - 90160020

MODEL	LMB5
Make	WENSAR
Display	Touch screen
Capacity	50g
Readability	0.001 g (0.01%)
Repeatability (±)	0.001g
Linearity (±)	0.002g
Temperature Setting	50°C ~ 180°C
Temp. Step	1°C
Time Setting	1~99 minutes
Pan Size	90 mm Ø
Moisture & Dry Range	0 ~ 100%
Interface	RS232C, USB
Operating Temperature	5°C to 35°C
Power Supply	AC 220V / 50-60Hz
Dimension (LxWxH) & Weight	430 x 300 x 330mm & 4.7 kg

* Specifications are subject to change without notice.

HIGH ACCURACY | DURABLE CONSTRUCTION | EASY TO USE | RELIABLE PERFORMANCE

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TAJ INSTRUMENTS-INDIA

(Authorised Dealer: Wensar Make)

EPB6T, EPB7T, EPB8T

ISO 9001:2015 | CE | RoHS

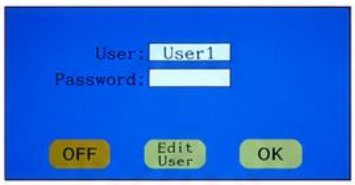


220g, 520g, 1020g / 1mg
EMFC
High Precision Balance
EPB6T, EPB7T, EPB8T

SALIENT FEATURES

- Internal Calibration
- EMFC Based
- Touch Screen Display
- User Password Protection
- Percentage Weighing
- Multiple Weighing Units
- RS232C Interface
- Piece Counting Function
- Underhook Weighing
- Date & Time on Display
- Memory up to 20 data

E - Catalogue



User Login Screen



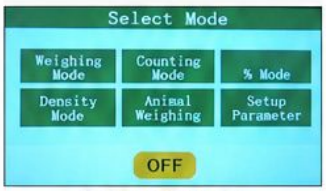
Welcome Screen



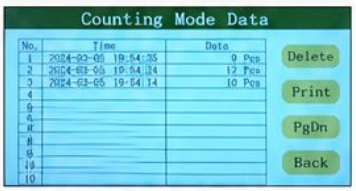
Weighing Mode Screen



Weight Units Screen



Select Mode Screen



Counting Mode Data Screen

SPECIFICATIONS

MODEL	EPB6T	EPB7T	EPB8T
Capacity	220 g	520 g	1020 g
Pan Size	90 mm Ø	90 mm Ø	120 mm Ø
Make	WENSAR		
Calibration	Internal Calibration		
Readability	0.001 g (1 mg)		
Repeatability	0.001 g		
Linearity (±)	±0.002 g		
Min. Capacity	100 mg		
Display	Touch Screen		
Response Time	4 – 5 sec		
Tare Range	Full		
Operating Temperature	15°C to 30°C		
Unit	mg, g, ct, ozt, oz, GN, dwt, lb		
Weighing Chamber Height	195 mm		
Baud Rate	600, 1200, 2400, 4800, 9600		
Class	I		
Interface	RS232C		
Data Output Mode	Command & Continuous Output		
Power Supply	AC 220V / 50–60 Hz		
Packing Dimension (L×W×H)	495 × 390 × 520 mm		
Gross Weight	10 kg	10 kg	11 kg

* Specifications are subject to change without notice.

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TAJ INSTRUMENTS-INDIA

(Authorised Dealer: Wensar Make)

EPB13T
EPB14T
EPB15T

ISO 9001:2015 | CE | RoHS



EPB13T
720g/1mg



EPB14T, EPB15T
2100g/1mg, 1200g/1mg

E - Catalogue

Touch Screen
Precision Balance

SALIENT FEATURES

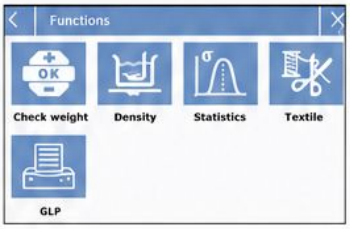
- 5" Touch Screen Display
- EMFC Technology
- Internal Calibration
- GLP, Internal Database
- Statistics report - Piece Counting & Textile Function
- Percentage(%), Check, Animal weighing functions
- Advanced Density function, with density index (DI) calculation
- Underhook Weighing, Formulation (Recipe)
- RS232C, USB port for import/export database data
- Multiuser Password Protection
- Vivid Backlit LCD Display.
- Various Weighing Units.
- Level Indicator and Adjustable Feet.
- Full Range Tare.
- Connectivity with Optional Accessories.
- Standard RS232C Interface.
- Built in Rechargeable Battery.
- Draw Shield as Standard (EPB13T, EPB14T)
- Auto Calibration.
- Overload / Underload / Unlock / Low Battery Indication.
- Counting with PRE-Tare Function.
- Selectable Filter.
- Auto Power Off.

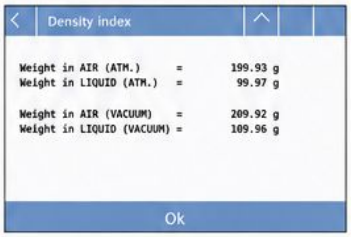
MULTIPLE WEIGHING UNITS

- Gram
- Milligram
- Carat
- Ounce
- Pound
- Penny weight
- Tola
- Toys Ounce
- Grain
- Hongkong Tael
- Taiwan Tael
- Custom units

APPLICATIONS

LABORATORIES | JEWELLERY | PHARMACEUTICAL | INDUSTRIAL | EDUCATIONAL | RESEARCH





SPECIFICATIONS

HSN Code - 90160010

MODEL	EPB13T	EPB14T	EPB15T
Max. Capacity	720g	1200g	2100g
Windshield	75 x 155mmϕ	162 x 171 x 225mm	162 x 171 x 225mm
Make	WENSAR		
Readability	0.001g		
Repeatability	0.001g		
Linearity (±)	0.003g		
Verification Scale Interval	1mg		
Display	5" Touch Screen Display		
Technology	EMFC		
Response Time	3 to 4sec.		
Pan Size	110mm		
Printout Results	Date, Time, Instruments ID, Weigh GLP		
Calibration	Internal		
Class	I		
Operating Temperature	15°C to 30°C		
Interface	RS232C & USB (DATA EXPORT)		
Density Function	Available		
Password Protection	Yes		
Memory	3000		
Sensitivity Drift (±)	3ppm/°C		
Baud Rate	1200,2400,4800,9600,19200		
Power Supply	Adaptor using 24V 1A, AC 220V / 50-60 Hz		
Dimension (L x W x H)	515 x 400 x 525mm		
Gross Weight	8Kg		

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WENSAR MAKE PRODUCT MARKETED BY:

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EPB16T

WENSAR® AN ISO 9001:2015 COMPANY

(Authorised Dealer:Wensar Make)

ISO 9001:2015



6200g / 10mg (EMFC)

Touch Screen

Precision Balance

EPB16T

E - Catalogue

SALIENT FEATURES

- 5" Touch Screen Display
- EMFC Technology
- Internal Calibration
- GLP, Internal Database
- Statistics report - Piece Counting
- Percentage(%), Check, Animal weighing functions
- Under hook Weighing
- Formulation (Recipe)
- Density Function
- Textile Function
- RS232C Interface
- USB port for import/export database data
- Multi-user Password Protection

SPECIFICATIONS

MODEL	EPB16T
Make	WENSAR
Capacity	6200g
Readability	0.01g
Repeatability	0.01g
Linearity (±)	0.03g
Verification Scale Interval	10mg
Display	5" Touch Screen Display
Response Time	3 to 4sec.
Pan Size	160mm
Windshield Dimension	NA
Printout Results	Date, Time, Instruments ID, Weigh GLP
Calibration	Internal
Class	I
Operating Temperature	15°C to 30°C
Interface	RS232C & USB (DATA EXPORT)
Technology	EMFC
Password Protection	Yes
Memory	3000
Sensitivity Drift (±)	3ppm/°C
Baud Rate	1200,2400,4800,9600,19200
Power Supply	Adaptor using 24V 1A, AC 220V / 50-60 Hz
Dimension (L x W x H)	515 x 374 x 420mm
Gross Weight	6Kg

HIGH ACCURACY | **DURABLE CONSTRUCTION** | **EASY TO USE** | **RELIABLE PERFORMANCE**

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(Authorised Dealer: WENSAR Make)

LPB1GSM

ISO 9001:2015 | CE | RoHS

Digital GSM Meter
LPB1GSM



LPB1GSM

10g / 50g / 200g

0.1g READABILITY

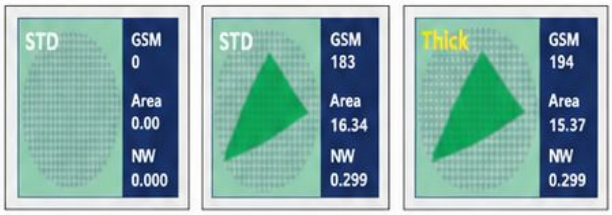
SALIENT FEATURES

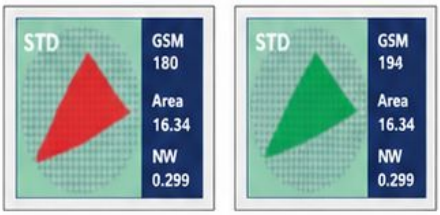
- Automated measurement process with a built-in camera for identifying sample area
- Capable of measuring fabrics of any shape with an area of at least 10 cm^2 and a weight of at least 0.1g.
- Efficiency and Convenience - Designed for quick and accurate GSM measurements
- Instrument calculate GSM automatically according to weight and size of samples
- External calibration facility Max. 200g
- Pan Size 110mm, LCD Display
- Inbuilt camera to measure sample area

E - Catalogue

Digital GSM Meter for GSM (Grams per Square Meter) measurements in industries such as fabric textile, paper, packaging, and scientific research.

Digital GSM Meter is designed to measure the GSM of paper or fabric per unit area, not for general weighing applications.





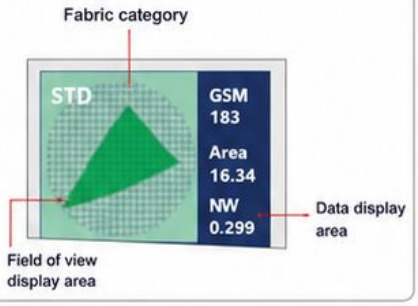
SPECIFICATIONS

MODEL	LPB1GSM
Make	WENSAR
Capacity	10g / 50g / 200g
Readability	0.001g / 0.01g / 0.1g
Camera	In-Built Camera Available
Camera Accuracy	0.06 mm/pixel
Display	LCD Display
Mode	Irregular I/II mode
Mode key - Irregular I	Thickness 0~1.5mm
Mode key - Irregular II	1.5mm < thickness < 3mm
Response Time	4 to 6 sec
Pan Size	110mm
Operating Temperature	5°C to 35°C
Windshield	Yes
Temperature fluctuation	5°C/h
Relative humidity	50% ~ 85%
Power Supply	AC 220V / 50-60Hz
Packing Dimension (LxWxH)	380 x 290 x 380mm
Gross Weight	4kg

* Specifications are subject to change without notice.

STANDARD ACCESSORIES

- Main Instrument
- PAN
- Glass pad
- Instruction Manual
- Test Certificate.



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WENSAR MAKE PRODUCTS MARKETED BY:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer: WENSAR Make)

PGB201D

ISO 9001:2015 | CE | RoHS

DENSITY BALANCE
PGB201D
220g / 1mg



PGB201D
220g / 0.001g
READABILITY
1mg

SALIENT FEATURES

- Density Balance with Density Function & Density Set up
- LCD Display, Aluminium alloy case
- Auto Calibration with External Weight
- Multifunction Weighing Units
- High Resolution, Quick Weighing, Accurate Result

E - Catalogue

SPECIFICATIONS

Model	PGB201D	Unit	mg, g, gsm, oz, ct. density D, % , K
Make	WENSAR	Interface	RS232C
Capacity	220g	Power supply	DC Adaptor, Using AC 220V / 50Hz
Readability	0.001g (1mg)	Draft Shield Size (mm)	165 (L) x 165 (W) x 175 (H)
Repeatability	0.001g	Weighing Pan Size	90mm
Linearity (±)	0.003g	Gross Weight	3.5kg
Density & Weighing PAN Size	160 x 70mm & 90mm	Net Weight	2.8kg
Tank Size	145x 100 x 78mm	Packing Dimension (LxWxH)	430 x 285 x 370mm
Operating Temperature	15°C to 30°C	Gross Weight	5kg
Calibration	External		
Density Function	Solid / Liquid / Dust Powder / Absorbent		
Display	LCD		

★ Specifications are subject to change without notice.

STANDARD LIQUID DENSITY

Name	Density (D)
Gasoline	0.70
Alcohol	0.79
Kerosene	0.80
Water (20°C)	0.998229
Water (4°C)	1.0000
Honey	1.40
Bromide (0°C)	3.12
Mercury	13.60



STANDARD SOLID DENSITY

Name	Density (D)
Wax	0.9
Aluminium	2.7
Copper	8.9
Steel	7.8597
Silver	10.5
Lead	11.3
Gold	19.3
Osmium	22.5

WIDELY USED FOR


SOLID TEST


LIQUID TEST


ABSORBENT MATERIAL


POWDER


PRECIOUS METALS

STANDARD ACCESSORIES


Main Instrument


Density Set Up


Weighing Pan


Power Adaptor


For Solid & Liquid Samples


Instruction Manual


Test Certificate

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(Authorised Dealer: WENSAR Make)

PGB200, PGB301

ISO 9001:2015 | CE | RoHS

PRECISION BALANCE

PGB200, PGB301

200g, 300g / 1mg



PGB200



PGB301

SALIENT FEATURES

- External Calibration
- Low Battery Indicator
- Multifunction Weighing Units
- Auto Zero tracking.
- Percentage Weighing
- Overload Protection Design
- S.S. Weighing Pan, Level Indicator, Adjustable Fit
- High Resolution, Quick Weighing, Accurate Result
- In built rechargeable battery
- RS232C Interface

E - Catalogue

SPECIFICATIONS

MODEL	PGB200	PGB301
Capacity	200g	300g
Readability	0.001g (1 mg)	
Repeatability	0.001g	
Linearity (±)	0.003g	
Make	WENSAR	
Pan Size	80mm Ø	
Display	LCD with backlight	
Calibration	Automatic External	
Tare Range	Full	
Operating Temperature	10°C to 40°C	
Power supply	DC Adaptor using AC 220V / 50-60Hz	
Packing Dimension (LxWxH)	415 x 400 x 295mm	
Gross Weight	5kg	

★ Specifications are subject to change without notice.

STANDARD ACCESSORIES



Main Instrument



Adaptor



PAN



Instruction Manual



Test Certificate

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LPB23

ISO 9001:2015 | CE | RoHS

PRECISION BALANCE

LPB23

200g / 1mg



LPB23

200g / 0.001g

READABILITY

1mg

E - Catalogue

SALIENT FEATURES

- LCD display with White Back Light.
- Loadcell covered by inner protection box
- Piece Counting function.
- No Battery Backup.
- Aluminium Alloy Base
- Underhook Weighing.
- Multi Weighing Units. (g oz ct)
- RS232C Interface.

SPECIFICATIONS

MODEL	LPB23
Capacity	200g
Make	WENSAR
Readability	0.001g
Repeatability	0.001g
Linearity (±)	0.003g
Pan Size	105 mm Ø
Glass Windshield	Available
Display	LCD Display
Interface	RS232C
Operating Temperature	10°C to 40°C
Power Supply	DC Adaptor, using AC 220V / 50-60Hz
Packing Dimension (LxWxH)	465 x 355 x 395mm
Gross Weight	6kg

★ Specifications are subject to change without notice.

STANDARD ACCESSORIES


Main Instrument


Adaptor


PAN


Instruction Manual


Test Certificate

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PRECISION • ACCURACY • RELIABILITY

WENSAR®
AN ISO 9001:2015 COMPANY

WENSAR MAKE PRODUCTS MARKETED BY:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer: WENSAR Make)

PGB3010, PGB6000

ISO 9001:2015 | CE | RoHS

PRECISION BALANCE

PGB3010 & PGB6000

3000g/0.01g • 6000g/0.1g



SALIENT FEATURES

- External Calibration
- Easy to read LCD Display with backlight
- Multiple Weighing Units
- Auto Zero tracking, Low Battery Indicator
- Overload Protection Design
- S.S. Weighing Pan, Level indicator, Adjustable Fit
- High Resolution, Quick Weighing, Accurate Result
- PGB3010 with RS232C Interface

E - Catalogue

PGB3010
3000g/0.01g
Readability
0.01g (10mg)

PGB6000
6000g/0.1g
Readability
0.1g (100mg)

HIGH RESOLUTION
0.01g / 0.1g

LARGE PAN SIZE
180 x 195 mm

EASY TO READ LCD DISPLAY

DC ADAPTOR POWER

SPECIFICATIONS

MODEL	PGB3010	PGB6000
Capacity	3000g	6000g
Readability	0.01g (10mg)	0.1g (100mg)
Repeatability	0.01g	0.1g
Linearity (±)	0.03g	0.2g
RS232C Interface	Available	NA
Make	WENSAR	
Pan Size	180 x 195 mm	
Display	LCD	
Calibration	External Calibration	
Tare Range	Full	
Operating Temperature	10°C to 40°C	
Power supply	DC Adaptor, Using AC 220V / 50Hz	
Packing Dimension (LxWxH)	380 x 265 x 130mm	
Gross Weight	3kg	

★ Specifications are subject to change without notice.

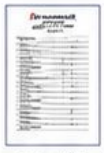
STANDARD ACCESSORIES


Main Instrument


Pan


Adapter


Instruction Manual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TAJ INSTRUMENTS-INDIA

(Authorised Dealer: WENSAR Make)

PGB5010M

ISO 9001:2015 | CE | RoHS

PRECISION BALANCE

PGB5010M

5000g/0.01mg



5000g/0.01mg

Precision Balance

PGB5010M

SALIENT FEATURES

- Internal Calibration
- Touch Screen display (7" full Color HD) Under Weighing
- Date & Time Setting
- Piece Counting, Accumulation
- Check Weighing
- Percentage Weighing
- Density Function
- Net gross weight / sum
- Overload Alarm
- RS232C,USB

E - Catalogue

HIGH PRECISION	TOUCH SCREEN	CAPACITY	INTERFACE	OVERLOAD
0.01mg	(7" FULL COLOR HD)	5000g	RS232C, USB	ALARM

SPECIFICATIONS

MODEL	PGB5010M
Make	WENSAR
Capacity	5000g
Readability	0.01g (10mg)
Repeatability	0.01g
Linearity (±)	0.03g
Pan Size	305 x 230mm
Calibration	Internal Calibration
Display	Touch Screen
Operating Temperature	15°C to 35°C
Unit	mg, g, ct, oz, kg, ib, gsm
Application Mode	Piece Counting, Check Weighing, Percentage, Density
Interface	RS232C, USB
Power supply	DC Adaptor, Using AC 220V / 50Hz
Packing Dimension (L x W x H)	460 x 370 x 210mm
Gross Weight	7kg

★ Specifications are subject to change without notice.

STANDARD ACCESSORIES


Main Instrument


Pan


Adapter


Instruction Manual


Test Certificate

For Product Inquiry
Call or WhatsApp:
+91 8511201789 | +91 9328511234

Website:
www.tajinstruments.in
www.tajinstruments.com

Location:
Rajkot, Gujarat (INDIA)

PRECISION • ACCURACY • RELIABILITY

WENSAR®
AN ISO 9001:2015 COMPANY

WENSAR MAKE PRODUCT MARKETED BY:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer:Wensar Make)

TTB6AI, 15AI, 31AI, 20AI

ISO 9001:2015 | CE | RoHS





Base Aluminium Alloy Construction (AI)

SALIENT FEATURES

- Base Aluminium Alloy Construction
- Built in rechargeable battery for continuous use
- Rust Proof Stainless Steel Platter
- Battery Indicator
- Fast Weighing response time
- Piece Counting Mode
- Overload Protection Design
- RED LED Front display
- RS232C Interface available

E - Catalogue

Table Top Balance

TTB6AI, TTB15AI, TTB31AI, TTB20AI

HSN Code - 84238900

MODEL	TTB6AI	TTB15AI	TTB31AI	TTB20AI
Capacity	6kg	15kg	30kg	20kg
Readability	0.1g	0.5g	1g	0.1g
Repeatability	0.1g	0.5g	1g	0.1g
Linearity (±)	0.2g	1.0g	2g	0.3g
Make	WENSAR			
Pan Size	300 x 225mm			
Display	RED LED			
Units	g, kg			
Interface RS232C	Available			
Base Cabinet	Aluminium Alloy Construction (AI)			
Operating Temperature	10°C to 40°C			
Power supply	AC 220V / 50Hz			
Machine Dimension (L x W x H)	320 x 300 x 110mm			
Packing Dimension (L x W x H)	370 x 340 x 170mm			
Gross Weight	5.4kg			

★ Specifications are subject to change without notice.

HIGH ACCURACY | DURABLE CONSTRUCTION | BUILT IN RECHARGEABLE BATTERY | FAST RESPONSE TIME | OVERLOAD PROTECTION

FOR PRODUCT INQUIRY
Call or WhatsApp:
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ISO 9001:2015 | CE | RoHS

TABLE TOP - HIGH PRECISION

TTB20HH

20kg / 0.1g



SALIENT FEATURES

- Built in rechargeable battery for continuous use
- Rust Proof Stainless Steel Platter
- Fast Weighing response time
- Overload Protection Design
- White LCD Front display
- Underhook & RS232C Optional

E - Catalogue

HSN Code : 84238900

SPECIFICATIONS

MODEL	TTB20HH
Make	WENSAR
Capacity	20kg
Readability	0.1g (100mg)
Repeatability	0.1g
Linearity (±)	0.3g
Pan Size	230 x 320mm
Display	LCD
Interface	RS232C
Tare Range	Full
Operating Temp.	10°C to 40°C
Power Supply	AC 220V / 50-60 Hz
Packing Dimension (LxWxH)	405 x 400 x 165mm
Gross Weight	4kg

STANDARD ACCESSORIES


Main Instrument


PAN


Adapter


Instruction Manual


Test Certificate

For Product Inquiry
Call or WhatsApp:
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Website:
www.tajinstruments.in
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PRECISION • ACCURACY • RELIABILITY

Wensar Make Product Marketed By:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer:WENSAR Make)

WENSAR®
AN ISO 9001:2015 COMPANY

ISO 9001:2015

KAB10L SEMI MICRO BALANCE



61g/0.01mg

Semi Micro Balance KAB10L

E- Catalogue

ME-FR | RS 232 | UNITS | GLP | CLOCK | RECIPE | PCS | %WEIGH | PACK

SPECIFICATIONS

MODEL	KAB10L
Make	WENSAR
Capacity	61g
Accuracy	0.01mg
Readability	0.01mg
Linearity (±)	0.04mg
Sensitivity Drift	2ppm/°C
Minimum weighing	1mg
Class	Class I
Ambient temperature	18°C - 24°C
Pan size	Φ80mm
Display	White Backlight LCD Display
Response Time	4 - 6 sec
Tare range	Full
Unit	g/mg/ct/oz
Calibration	Internal calibration
Interface	RS232C
Overload Alarm	Yes
Time & Temp. Display	Available
GLP	Yes
Instrument Dimensions (LxWxH)	360 × 200 × 350mm
Packing Dimension (LxWxH)	515 × 375 × 510mm
Gross weight	9kg

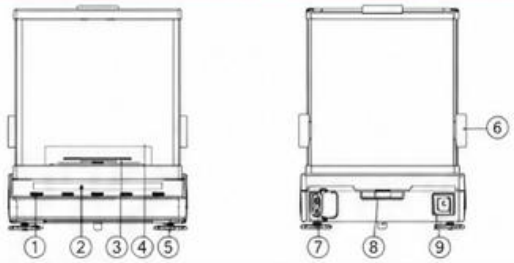
* Specifications are subject to change without notice.

SALIENT FEATURES

- Internal calibration with timing and temperature variation
- Electromagnetic force sensor
- White Backlight LCD Display
- Automatic zero tracking setting
- Laboratory GLP
- Peak holding
- Aluminium Alloy Base
- Large space wind proof cover
- Unit conversion (g/mg/ct/oz...)
- Printing function
- Temperature & Time display
- Counting, Weighing, Percentage, Sensitivity, Stability adjustable
- Overload alarm / Fault alarm

FUNCTION INTRODUCTION

1. Key
2. Data display window
3. Scale pan
4. Windproof ring
5. Adjust feet
6. Side window sliding door
7. RS232 interface
8. Level bubble
9. Power socket



STANDARD ACCESSORIES


Main Instrument


Weighing PAN


PAN Ring


Power Cable


Instruction Manual


Test Certificate

For Product Inquiry Call or WhatsApp:
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(Authorised Dealer: Wensar Make)

KAB8L, KAB9L

ISO 9001:2015 | CE | RoHS





Antivibration Pad - Standard Supply

51g/0.01mg - 220g/0.1mg
100g/0.01mg - 120g/0.1mg

Semi Micro / Analytical Balance

KAB8L, KAB9L

E - Catalogue

SALIENT FEATURES

- Electro Magnetic Force Compensation
- White Backlight LCD Display
- Detachable Display
- Fast Sensitive Setting
- Time Display
- Weighing Result can Export to Excel
- Dynamic Weighing Function
- Pipettes Calibration Function
- RS232C & USB Interface
- Piece Counting, Totalizing (Add) Function
- Automatic Internal Calibration
- Percentage, Underhook Weighing
- Multiple Weighing Units

No.	Display	Describe
1	Max KAB8L e=0.01mg	Model display
2		Internal calibration sign
3	–	Negative weight value
4	o	Stable value
5		Weighing sign
6		Density determination
7		Piece counting
8		Dynamic weighing
9	Σ	Summation
10	– – – – – –	Progress bar
11	88:88:88	Time setting
12	W1 W2	W1: weight in air, W2: weight in liquid
13	8	Unauthenticated numbers
14	888	Unit display



HSN Code - 90160020

SPECIFICATIONS

MODEL	KAB8L	KAB9L
Max. (Capacity)	51g / 220g	100g / 120g
Readability	0.01mg / 0.1mg	
Repeatability	0.01mg / 0.1mg	
Linearity (±)	0.04mg/0.4mg	
Make	WENSAR	
Verification Scale Intervals (e)	1mg	
Calibration	Internal Calibration	
Class	Class I	
Display	White Backlight LCD Display	
Response Time	4 - 6 Sec	
Pan Size (mm)	90 mm Ø	
Tare Range	Full	
Operating Temperature	15°C to 30°C	
Sensitivity Drift (±)	2ppm / °C	
Density	Function Available	
Data Output Mode Selection	Command & Continuous Output	
Key Sound	Yes	
Weighing Chamber Size	162 x 180 x 210mm	
Unit	g, mg oz, ct,	
Application Mode	PCS,%, Weighing, Animal Weighing, Pipettes Calibration, Density, Σ weighing	
Baud rate Options	1200, 2400, 4800, 9600	
Interface	RS232C	
Power Supply	DC9V, Adaptor using AC 220V / 50-60Hz	
Packing Dimension (LxWxH)	490 x 390 x 485mm	
Gross Weight	11kg	

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WENSAR®
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(Authorised Dealer:Wensar Make)

SDK11, 12, 13, 14, 15, 16

ISO 9001:2015 | CE | RoHS





KIT COMPONENTS



Density Kit for Solid Test

Suitable for WENSAR make Weighing Balance

E - Catalogue

SDK11, 12, 13, 14, 15, 16
SOLID DENSITY KIT

Suitable for WENSAR make Weighing Balance

★ A density kit cannot work independently It must be attached with a Analytical / Weighing Balance

Density Kit Pan Holder design perfect fit according Weighing Balance Holder.

HSN : 90160020

Part No. ⬇	Density Kit Suitable Model Details
SDK11	TAB1T, KAB4L
SDK12	KAB5L, KAB6L, MAB201, MAB301, HPB201, HPB501, HPB1001
SDK13	TAB2T, TAB3T, EPB6T, EPB7T, EPB8T
SDK14	PGB220, PGB321, PGB211M, PGB201D
SDK15	PGB200, PGB301
SDK16	KAB2L, TAB5T

HIGH ACCURACY | DURABLE CONSTRUCTION | EASY TO USE | RELIABLE PERFORMANCE

FOR PRODUCT INQUIRY
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WEBSITE:
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www.tajinstruments.com

LOCATION:
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PRECISION • ACCURACY • RELIABILITY

WENSAR®
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WENSAR MAKE PRODUCT MARKETED BY:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer:Wensar Make)

WDK200-205

ISO 9001:2015 | CE | RoHS



KIT COMPONENTS



WDK200, 201, 202, 203, 204, 205

Density Kit for Liquid Test.

Suitable for WENSAR make Weighing Balance

E - Catalogue

WDK200, 201, 202, 203, 204, 205

LIQUID DENSITY KIT

Suitable for WENSAR make Weighing Balance

A density kit cannot work independently
It must be attached with a Analytical / Weighing Balance

LIQUID DENSITY	
NAME	DENSITY
Water （25°C）	0.997
Water （4°C）	1.000
Alcohol	0.78
Kerosene	0.82
Mercury	13.60

Density Kit Pan Holder design perfect fit according Weighing Balance Holder.

HSN : 90160020

Part No. ⬇	Density Kit Suitable Model Details
WDK200	TAB1T, KAB4L
WDK201	KAB5L, KAB6L, MAB201, MAB301, HPB201, HPB501, HPB1001
WDK202	TAB2T, TAB3T, EPB6T, EPB7T, EPB8T,
WDK203	PGB220, PGB321, PGB211M, PGB201D
WDK204	PGB200, PGB301
WDK205	KAB2L

HIGH ACCURACY | DURABLE CONSTRUCTION | EASY TO USE | RELIABLE PERFORMANCE

* Specifications are subject to change without Notice

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WENSAR®
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WENSAR MAKE PRODUCT MARKETED BY:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer:Wensar Make)

WDK250

ISO 9001:2015 | CE | RoHS



KIT COMPONENTS


Mounting Bracket


Acrylic Stand


Glass Breker


Sinker Pan
WDK250


Thermometer


Tweezer

Dropper

WDK250
LIQUID DENSITY KIT
Suitable for Other make Weighing Balance

Density Kit for Liquid Test.
Suitable for Other make Weighing Balance

E - Catalogue

- ★ WDK250 Density Kit Suitable for other make Weighing Balance, If weighing pan less than 125mm.
- ★ If Weighing Balance not having Density function facility, Customer have to calculate manually.
- ★ A density kit cannot work independently.It must be attached with a Analytical / Weighing Balance

Density Kit for Liquid Test.

HSN : 90160020

LIQUID DENSITY	
NAME	**DENSITY**
Water (25°C)	0.997
Water (4°C)	1.000
Alcohol	0.78
Kerosene	0.82
Mercury	13.60

KIT COMPONENTS

1. Hanging basket
2. Density Bracket
3. Crystal Ball
4. Glass Bowl
5. Tank Bracket
6. Temperature meter
7. Tweezers

HIGH ACCURACY | DURABLE CONSTRUCTION | EASY TO USE | RELIABLE PERFORMANCE

FOR PRODUCT INQUIRY
Call or WhatsApp:
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PRECISION • ACCURACY • RELIABILITY

WENSAR®
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WENSAR MAKE PRODUCT MARKETED BY:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer: Wensar Make)

E1 Class Weights

ISO 9001:2015 | CE | RoHS







Solid Single Piece Fabrication

E-Catalogue

OIML Standard Weights - Class E1

HSN Code - 84239010

SPECIFICATIONS

Class	E1
Standard	OIML R111
Material	Austenitic Stainless Steel
Construction	Solid single piece fabrication
Cavity	No Cavity adjustment
Density	8.00g/cm^3
Magnetic Susceptibility	< 0.005
Intensity of Polarization	< 2.5 μT
Shape	Cylindrical with knob
Finish	Mirror Polish
Packing Sets Weight	Aluminium alloy box
Packing Individual Weight (kg)	ABS Box (20kg, 10kg, 5kg, 2kg, 1kg)
Packing Individual Weight (g & mg)	ABS Box(500g to1g & 500mg to1mg, any)

* Specifications are subject to change without Notice

Application

E1 Class weights are recommended for primary reference standard for calibration, other references standard and weights. It cannot use in General Laboratory.

We can Provide Calibration Certificate from NABL Accredited Lab valid for 3 years at an extra cost



STANDARD ACCESSORIES :

Tweezer, Cloth, Gloves with Sets Weights only.

Our Range Class E1

E1 - 1mg to 200g - 23pcs.
E1- 1mg to 500mg - 12pcs.
E1 - 20kg
E1 - 10kg
E1 - 5kg
E1 - 2kg
E1 - 1kg
E1 - 500g
E1 - 200g
E1-100g
E1- 50g
E1- 20g to 1mg (Individual)

For Product Inquiry
Call or WhatsApp:
+91 8511201789 | +91 9328511234

Website:
www.tajinstruments.in
www.tajinstruments.com

Location:
Rajkot, Gujarat (India)

PRECISION • ACCURACY • RELIABILITY

WENSAR®
AN ISO 9001:2015 COMPANY

WENSAR MAKE PRODUCTS MARKETED BY:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer: Wensar Make)

E2 Class Weights

ISO 9001:2015 | CE | RoHS





Solid Single Piece Fabrication

E - Catalogue

OIML Standard Weights - Class E2

HSN Code - 84239010

SPECIFICATIONS

Class	E_2
Standard	OIML R111
Material	316 Stainless Steel
Construction	Solid single piece fabrication
Cavity	No cavity adjustment
Density	7.96g/cm^3
Magnetic Susceptibility	<0.005
Intensity of polarization	< 8
Shape	Cylindrical
Finish	Mirror
Packing Sets Weight	Aluminium alloy box
Packing Individual Weights (kg)	ABS Box (20kg, 10kg, 5kg, 2kg, 1kg)
Packing Individual Weight (g & mg)	ABS Box(500g to1g & 500mg to1mg, any)

* Specifications are subject to change without Notice

Application

E_2 Class weights are recommended for the calibration of micro, Semi-Micro & Analytical balances where very high accuracy is required.

E_2 Class weights also can use to calibrate F_1 Class weights.

We can Provide Calibration Certificate from NABL Accredited Lab valid for 3 years at an extra cost.



STANDARD ACCESSORIES : Tweezer, Cloth, Gloves with Sets Weights only.

Our Range Class E_2

- E_2 - 1mg to 200g - 23pcs.
- E_2 - 1mg to 500mg - 12pcs.
- E_2 - 20kg
- E_2 - 10kg
- E_2 - 5kg
- E_2 - 2kg
- E_2 - 1kg
- E_2 - 500g
- E_2 - 200g
- E_2 - 100g
- E_2 - 50g
- E_2 - 20g to 1mg (Individual)

For Product Inquiry
Call or WhatsApp:
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www.tajinstruments.com

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WENSAR MAKE PRODUCTS MARKETED BY:

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(Authorised Dealer: Wensar Make)

F1 Class Weights

ISO 9001:2015 CE RoHS









E - Catalogue

OIML Standard Weights - Class F1

HSN Code - 84239010

SPECIFICATIONS

Class	F_1
Standard	OIML R111
Material	304 Stainless Steel
Construction	One or two pieces of same material
Cavity	May contain adjusting cavity
Density	7.90g/cm^3
Magnetic Susceptibility	<0.05
Intensity of polarization	< 25
Shape	Cylindrical with knob
Finish	Mirror Polish
Packing Sets Weight	Aluminium alloy box
Packing Individual Weight (kg)	ABS Box (20kg, 10kg, 5kg, 2kg, 1kg)
Packing Individual Weight (g & mg)	ABS Box(500g to1g & 500mg to1mg, any)

* Specifications are subject to change without Notice

Application

F_1 Class weights are recommended for calibration

High Precision, Top loading balances with readability 0.001g

F_1 Class weights also can be use calibrate F_2 Class weights.

We can Provide Calibration Certificate from NABL Accredited Lab valid for 2 years at an extra cost.

STANDARD ACCESSORIES : Tweezer with Sets Weights only.



Our Range Class F1

F1 - 1mg to 2kg - 27pcs.
F1 - 1mg to 1kg - 25pcs.
F1 - 1mg to 500g - 24pcs.
F1 - 1mg to 200g - 23pcs.
F1 - 1mg to 500mg - 12pcs.
F1 - 20kg
F1 - 10kg
F1 - 5kg
F1 - 2kg
F1 - 1kg
F1 - 500g
F1 - 200g
F1 - 100g
F1 - 50g
F1 - 20g to 1mg (Individual)

For Product Inquiry
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PRECISION • ACCURACY • RELIABILITY

WENSAR®
AN ISO 9001:2015 COMPANY

WENSAR MAKE PRODUCT MARKETED BY:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer:Wensar Make)

PFB101H



SALIENT FEATURES

- High Capacity with High Accuracy
- Stainless Steel Top Platter
- Low Battery Indicator
- LED Display
- Level Indicator
- Piece Counting Function
- Overload Alarm
- RS232C Interface (Optional)

100kg/1g

Platform Balance
PFB101H

E - Catalogue

HSN Code - 84238290

SPECIFICATIONS

MODEL	PFB101H
Make	WENSAR
Capacity	100kg
Readability	1g
Repeatability	1g
Linearity (±)	3g
Pan Size	400 x 400mm
Calibration	External
Display	LED
Tare Range	Full
Operating Temperature	5°C to 40°C
Power Supply	AC 220V / 50-60Hz
Packing Dimension (LxWxH)	745 x 420 x 170 mm
Gross Weight	12kg

★ Specifications are subject to change without notice.

FOR PRODUCT INQUIRY
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WEBSITE:
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www.tajinstruments.com

LOCATION:
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PRECISION • ACCURACY • RELIABILITY

WENSAR®
AN ISO 9001:2015 COMPANY

WENSAR MAKE PRODUCT MARKETED BY:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer:Wensar Make)

PFB61AI
PFB101AI
PFB201AI

ISO 9001:2015 | CE | RoHS



PFB61AI
60kg/1g



PFB101AI, PFB201AI
100kg/1g, 200kg/1g

SALIENT FEATURES

- Base Aluminium Alloy Construction (AI)
- PFB61AI - RED LED Display
- PFB101AI, PFB201AI - LCD Backlight Display
- High Capacity with High Accuracy
- Stainless Steel Top Platter
- Level Indicator
- Piece Counting Function
- Overload Protection

E - Catalogue

Platform Balance

HSN Code - 84238290

MODEL	PFB61AI	PFB101AI	PFB201AI
Max. Capacity	60kg	100kg	200kg
Readability	1g	1g	1g
Repeatability	1g		
Linearity (±)	3g		
Verification Scale Intervals (e)	2d	5d	10d
Make	WENSAR		
Unit	g, kg, lb, Pcs.,		
Operating Temperature	5 to 40°C		
Base Cabinet	Aluminium Alloy Construction (AI)		
Display	RED LED	LCD with Back light	
Pan Size (W x L)	320 x 380mm	420 x 520mm	
Battery	4 x AAA Battery	Rechargeable	
RS232C Interface	Optional	Available	
Display Back light Auto on/off	NA	Available	
Charging level shown in display	NA	Available	
Power Supply	AC 220V / 50-60Hz		
Packing Dimension (LxWxH)	520 x 350 x 100mm	890 x 560 x 250mm	
Gross Weight	6.5kg	25kg	

* Specifications are subject to change without notice.

STANDARD ACCESSORIES: Main Instrument, Weighing SS pan, Indicator, Pole for Indicator, Power Cable, Instruction Manual, Test Certificate.

FOR PRODUCT INQUIRY
Call or WhatsApp:
+91 8511201789 | +91 9328511234

WEBSITE:
www.tajinstruments.in
www.tajinstruments.com

LOCATION:
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PRECISION • ACCURACY • RELIABILITY

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WENSAR MAKE PRODUCTS MARKETED BY:

TAJ INSTRUMENTS-INDIA

(Authorised Dealer: WENSAR Make)

TTB30M

ISO 9001:2015 | CE | RoHS

TABLETOP BALANCE

TTB30M

30kg/0.1g



SALIENT FEATURES

- Internal Calibration
- Touch Screen display (7" full Color HD)
- Stainless steel large size square PAN
- Height adjustable feet
- Date & Time Setting
- Piece Counting Function, Accumulation
- Check Weighing, Under Weighing, %, Density Function
  Net gross weight / sum
- Overload Alarm, Connect PC and Printer

E - Catalogue

HIGH PRECISION	TOUCH SCREEN	STAINLESS STEEL LARGE PAN	CAPACITY	INTERFACE
0.1g	(7" FULL COLOR HD)	305 x 230mm	30kg	RS232C / USB

HIGH PERFORMANCE & ACCURACY

WENSAR TTB30M TableTop Balance is designed for precise and reliable weighing with advanced features for laboratory, industrial and commercial applications. It offers high accuracy, fast response and user-friendly operation with a full color touch screen display.

30kg/0.1g
TableTop Balance
TTB30M

SPECIFICATIONS

MODEL	TTB30M
Capacity	30kg
Readability	0.1g
Repeatability	0.1g
Linearity (±)	0.3g
Make	WENSAR
Pan Size	305 x 230mm
Calibration	Internal Calibration
Display	Touch Screen
Operating Temperature	5°C to 35°C
Unit	g, oz, ct...
Application Mode	Piece Counting, Check Weighing, Percentage, Density
Maximum Consumed Power	5W
Interface	RS232C / USB
Power supply	DC Adaptor, Using AC 220V / 50Hz
Packing Dimension (L x W x H)	465 x 370 x 210mm
Gross Weight	7kg

STANDARD ACCESSORIES


Main Instrument


Pan


Adapter


Instruction Manual


Test Certificate

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Location:
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PRECISION • ACCURACY • RELIABILITY

WEIGH TAJ
weighing at its best

ISO 9001:2015 CERTIFIED COMPANY | CE | RoHS

THANK YOU

YOUR TRUST. OUR RESPONSIBILITY.

★ ★ ★

TO OUR ESTEEMED CUSTOMER,

We sincerely appreciate your trust in **WEIGH TAJ** and the confidence you place in our products and solutions.

Every instrument we deliver is a promise of precision, reliability, and performance. Backed by continuous innovation and dedicated support, we are committed to adding value to your operations every day.

Thank you for choosing **WEIGH TAJ** as your preferred weighing partner.

With Warm Regards,
Team Weigh Taj

YOUR SUPPORT INSPIRES US
HELP US TO GROW

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Your trust, appreciation, and support motivate us to continuously improve our products, services, and customer experience every day.

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