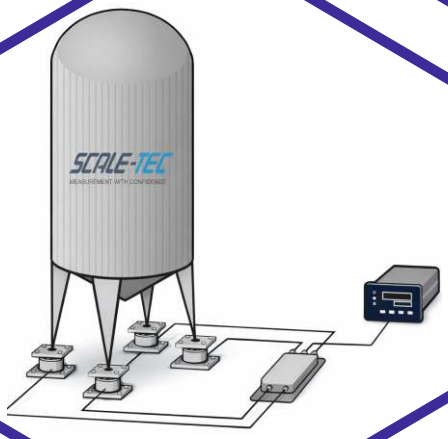
SCALE-TEC

MEASUREMENT WITH CONFIDENCE













An ISO 9001:2015 Certified Company

Advanced Industrial Weighing Systems & Load Cell for Precise, Roughed, and Process Weiging Solutions.

SCALE-TEC

MEASUREMENT WITH CONFIDENCE

Industrial Product catalogue



About us

Scaletec Mechatronics Pvt. Ltd. is a Vadodara-based manufacturer and solution provider of precision weighing and industrial measurement systems. We specialize in industrial scales, load cells, weighing indicators, and customized weighing solutions, delivering accuracy, reliability, and long-term performance across diverse industries.

Application:

1. Packaging & Filling Lines
2. Manufacturing
3. Logistics & Material Handling
4. Pharma Chemical Industries
5. Process Weighing Industries
6. Eot/ overhead Crane
7. Precise and Silver Weighing
8. Testing Equipment's
9. Batching System
10. Piece Counting
11. Construction & Infrastructure
12. Warehouse
13. Waste Management & Recycling
14. 14-Agriculture
15. Power & Energy (Coal/Biomass Handling)

Top Loading Weighing Scale

Model : - CWS SL



Capacity: - 1 kg to 20 kg
Readability: - 0.1 gm to 1 gm
Pan Size: - 175 x 225 mm

Model : - CWS



Capacity: - 3 kg to 30 kg
Readability: - 0.1 gm to 1 gm
Pan Size: - 240 x 280mm

Standard Features

- Net-Gross Formula
- M+ & Memory recall Function
- In-built re-chargeable battery for continue use
- Piece Counting Function
- Hi-Low for check weighing
- Stainless Steel Platter

Optional Feature

- Optional RS232 / USB/ Printer Interface.
- IP-Rated Protection
- Peak-Hold Function

Bench Type High Precision Scale

Model : - CWS SL



- High Internal Resolution up to 10,00,000 counts.
- In-built re-chargeable battery for continue use.
- Special high precision cell technology.
- Stainless steel Dust Proof Top Platter.
- Optional RS232 / RS 485 Modbus / USB / Printer.

Capacity: - 6kg -30kg | 50kg-150kg
Readability: - 0.1g | 0.5g – 2g
Pan Size: - 240x300mm | 340x370mm

Optional Accessories



Auxiliary Display


Tower Light


Printer

Scale Tec Piece Counting Balance



Capacity : - 3 Kg to 30 Kg
Resolution : - 0.1 to 1 gm
Pan Size : - 293 x 225 mm



Capacity : - 6 kg to 30kg
Readability : - 0.1gm to 0.5gm
Pan Size : - 218 x 260 mm



Capacity : - 6 kg to 30kg
Readability : - 0.1gm to 0.5gm
Pan Size : - 335 x 320
RS 232 Port for data output.

Feature: -

- 3 LCD Display with backlight for weight, Unit Weight & Total Quantity.
- Check weighing with Automatic quantity alarming
- In-built Re-chargeable battery and design easy to replace.
- Hi-Low limits on quantity.

IOT Type Top Loading Scale

Key Features of Bench Scales

- Pen drive Excel sheet report
- 500 Plu / Item storage
- Manual or Automatic Printing
- No of copy options
- 3500 Record storage
- Barcode or QR-Code option
- PC side software to update data (USB Based)
- 5 Header / 5-footer options
- 16 User editable fields (10 Manual Editable + 5 Memory + 1 Automatic Increment)
- 3 application - Piece counting / check weighing / Net Gross
- Support Label Size max width 150mm x100 mm



Capacity	1kg -30kg
Pan Size	230x300mm

Optional Accessories



Label Printer



Tower Lamp with Relay



Sample Label Print Format

Platform Scale

- Capacity: 50 kg to 5000 kg
- Readability (Accuracy): 0.5 / 500g (based on selected capacity)
- Pan Size: Customizable as per requirement



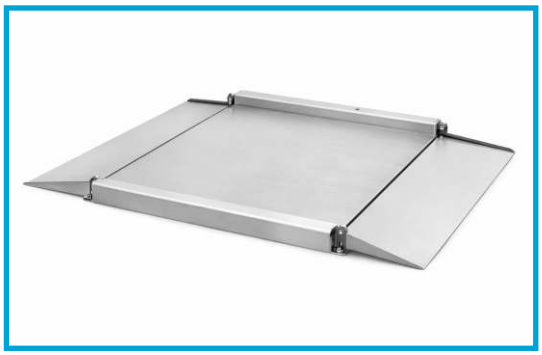
Key Features

- Net–Gross Formula function
- Piece Counting function
- M+ & Memory Recall function
- Peak-Hold function
- Hi-Low Check Weighing function
- 0.8" Segment LED Display for clear and easy viewing
- Optional RS-232 Interface for connecting to PC or serial printer
- Fully customizable Platform Size, Design, and MOC (Stainless Steel / Mild Steel)

Customized Platform Scale



Low Profile Weighing Scale



Ultra Low-Profile Weighing Scale



Pallet weighing Scale



Industrial Four Scale



Platform Scale with Flameproof Enclosure

Scale Tec Industrial Crane Scale

Platform Scale with Flameproof Enclosure



Capacity: 2Ton to 10Ton
Resolution: 0.5kg to 2kg



Capacity: 15Ton to 50Ton
Resolution: 5kg to 20kg



Heat Proof Crane Scale
Capacity: 2Ton to 10Ton
Resolution: 0.5kg to 2kg



Wireless Heat Proof
Crane Scale
Capacity: 3Ton to 50Ton
Resolution: 5kg to 20kg

Feature

- 5 Digit 30mm LED display visible up to 25 meters on/off switch automatically displays.
- Batteries allow continuous use (alternating) Low energy consumption main board design extends usage time Exclusive charging.
- Gross/Net weight switching, Peak Hold function, Accumulation mode, Full-range Tare capability.

Heat Proof Feature

- Heat protection board in the scale to stop the heat penetration.
- Power supply: Nd -H rechargeable battery (6V/4Ah) for indicator and high capacity.
- Memory stores us to 2900 weight data set
- Function: 29 Auto Save Memories for
- Last Weighment Record, HOLD Last
- Weight, TARE & ZERO

Optional Accessories



Wireless Hand
Held Indicator

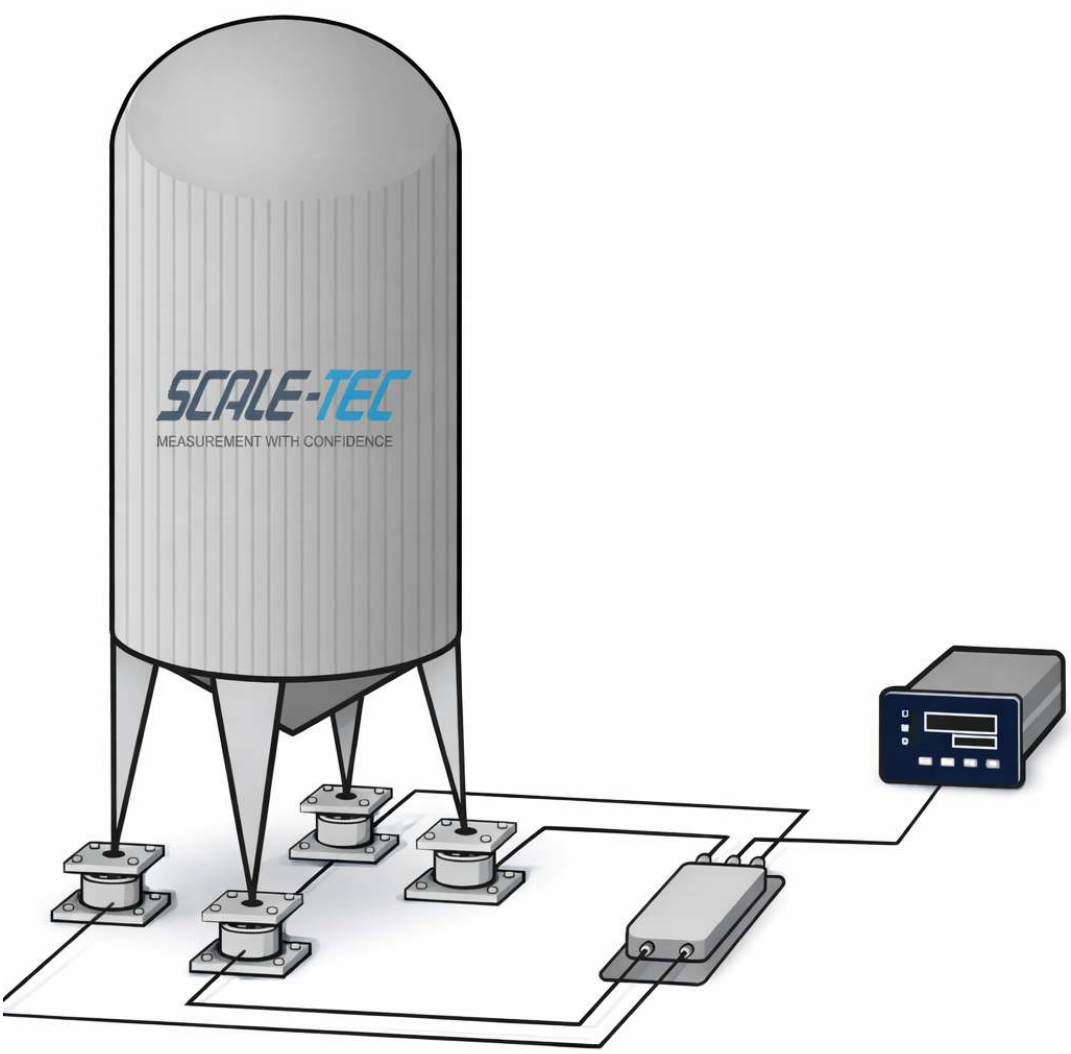


Wireless display



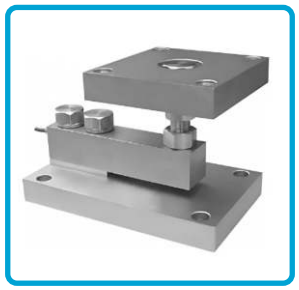
Wireless Display
& Printer

Scale-Tec Tank/Silo Weighing System



Loadcell with Mounting Assembly for Tank/Silo Weighing System







Weighing Range: - 100 kg to 100MT
Resolution: - 1 /10,000
Number of Load cells: - 3/4/6/8(As per Silo/Tank Design)
Weighing Controller: - Panel Mount/ Wall Mount/ Flame Proof
Power Supply: - 0-220V AC-24V DC
Communication: - RS232/RS 485 Modbus / 4-20MAH Analogue output
Temperature Range: --5˚c to 50˚c

Type of Load cell

Type of Load cell	Capacity	Application	Mounting For Loadcells
1. Single Point load cell 	3 Kg to 20 Ton	Small to medium Sized platform scale and packaging machine	
2. Sher Beam Load Cell 	100 Kg to 50 Ton	Platform Scale, Conveyers, Tank / Hopper Weighing System, And Industrial Weighing System	
3. Dual Sher Beam Load Cell 	500 Kg to 200 Ton	Weighing bridges, Truck Scales Hopper Weighing and Material testing applications	
4. S-Type Load cell 	25 Kg to 30 Ton	Hanging Scale, Crane Scale, Hopper Weighing and material testing application	
5. Compression Load Cell 	500 Kg to 500 Ton	Tank Weighing, Silo, Hopper, Weighbridges, and Structural Load measurement application	
6. Spoke -Type Load Cell 	500 kg to 2000 Ton	Silo Weighing, Tank Weighing, Reactors & Heavy Industrial Structural	
7. Rope Tension Load Cell 	500 Kg to 200 Ton	Cranes, Hoist, Winches, Elevators	
8. Pin type Load Cell 	500 kg to 100 Ton	EOT Cranes, Hoist, Sheaves, Shackles, And Lifting System	

Electronic Controllers

	Multi Head Weigher	• 32-bit ARM CPU with 48MHz clock • 5 Digit RED LED Display • Communication: RS232 and RS485 Modbus RTU.
	Filling Style	• 32-bit ARM CPU with 48MHz clock • Communication: RS232 / RS485 Modbus RTU / CAN.
	Check Weigher	• 32-bit ARM CPU/48MHz clock • Communication : RS232 / RS485 Modbus RTU.
	Batch Weighing Controller	• Port: RS232 / RS485 / USB • TFT touch screen with embedded weighing/control module

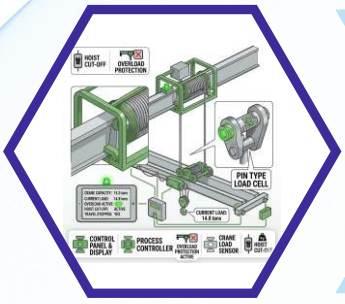
Electronic Controllers

1232 SS Indicator	1230 MS Indicator	CWS Indicator	Flameproof Indicator
			

Digital Weighbridge IT and IOT Indicator

SCALETEC Digital IT	SCALETEC Digital IOT IT
	

Other Industrial Weighing Application



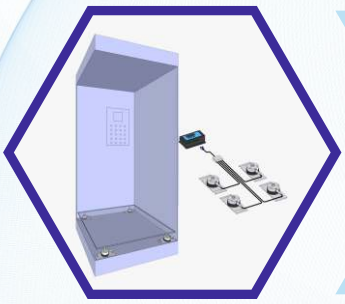
EOT Crane Overload Protection System

Real-Time Load Monitoring : Load cells continuously measure the exact weight of the lifted load.
Overload Protection & Warning : Gives alerts before overload and automatically stops lifting if the limit is exceeded.

Check Weigher Solution – In Motion Weighing

High-Speed Weighing: Weighs products on a moving conveyor without slowing production.
Auto Rejection & Data Recording: Removes incorrect weights automatically and records data for monitoring.





Elevator Overload Under Load Protection System : -

Real-Time Load Monitoring & Overload Alerts : Continuously checks elevator weight and gives alarms if it exceeds the safe limit.
Smart Operation Control : Skips new calls when full and cancels unnecessary floor calls to improve efficiency.

Onboard Weighing System : -

Real-Time Monitoring & Overload Protection : Shows live load weight and gives an alarm when the vehicle reaches the maximum limit.
Axle Weight Check : Monitors weight on each axle to keep the vehicle balanced and safe.



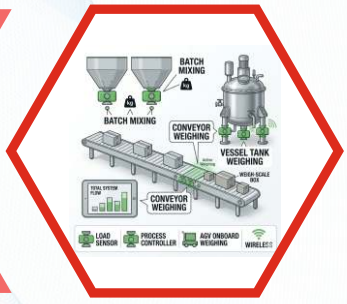


Hospital Bed Weighing System : -

Built-in Weight Sensors : Integrated sensors measure the patient's weight in real time without moving them.
Tare & Weight Alerts : Allows zeroing bedding weight and gives alerts if the patient's weight changes beyond a set limit.

Process and Automation Control

Process Weighing Solutions : Used in silos, bagging, check weighers, and production lines to monitor and control processes.
Better Efficiency & ROI : Force sensors improve accuracy, increase efficiency, and help achieve better return on investment.











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