



www.symphonyweight.com

INDUSTRIAL WEIGHBRIDGE & **WEIGHING SYSTEMS**

Reliable. Accurate. Engineered for Performance.

India's No. 1 Brand
TOTAL WEIGHT SOLUTION
symphony
WEIGHING LEADER

Since
1998



Introduction

Welcome to Symphony Weighbridge Solutions, where precision and durability meet modern engineering. We provide a full range of weighbridges—Pit, Pitless, RCC, and Portable—designed to deliver accurate, stable, and long-lasting performance across all industrial environments. Our systems are built with high-quality materials, advanced load cell technology, and smart automation to ensure smooth, reliable, and transparent weighing operations. With a commitment to innovation and customer trust, Symphony offers strong, low-maintenance structures backed by professional service, calibration, and long-term support.



About Us

Symphony Weighing Leader is a certified manufacturer of high-precision weighbridges and weighing systems designed for industrial accuracy and long-term performance. With years of engineering experience, we deliver durable, reliable and fully compliant solutions that meet the needs of modern industries across India.

Our products are trusted in sectors like mining, logistics, agriculture, manufacturing and infrastructure. Supported by a skilled service network across the country, we ensure fast installation, dependable service and consistent accuracy. At Symphony, our focus is on innovation, quality and delivering weighing solutions that help businesses operate with confidence and efficiency.





Introducing Our Vision

To become the most trusted and innovative weighing solutions brand worldwide by delivering unmatched accuracy, long-lasting structural strength, and technology-driven weighbridges that empower industries with reliable measurement for generations.

Objectives

- 1. Accurate Weighing** – Deliver perfectly calibrated machines that meet international standards.
- 2. Strong & Durable** – Provide weighbridges with a 100-year structural life.
- 3. Smart Technology** – Use software, IoT, and automation for fast and error-free weighing.
- 4. Market Growth** – Increase the adoption of Symphony weighbridges in India and worldwide.
- 5. Excellent Service** – Offer quick service, annual maintenance, and customer training.

Our Mission

- 01.** Create world-class weighbridges with 100% accuracy and consistent performance.
- 02.** Build ultra-durable structures designed to last 100 years.
- 03.** Deliver transparent, reliable, and seamless weighing experiences.
- 04.** Empower industries with precise data for safer, efficient, and profitable operations.



Why choose us

At Symphony Weighing Leader, we combine advanced technology, certified quality, and nationwide service excellence to deliver reliable and high-performance weighing solutions. Our commitment to precision and customer satisfaction sets us apart.



Cutting-edge Technologies

Symphony Weighbridge Installations can be done within 4 hours



Certified Products

Approved by weights & Measurement Department of India



Certified Company

An ISO 9001:2015 & CE certified company



900+ Installations

We have successfully installed 900+ Weighbridges



Superior Service

Over 115 professionals across the company in every state of India enable reliable & faster service and repairs



750 Satisfied Customers

We have 750 Satisfied Customers



Certificate of Excellence



Our Clients



OUR PRODUCTS

- ✓ Pit Less Weighbridge
- ✓ Pit-type Weighbridge
- ✓ Semi Concrete Weighbridge
- ✓ Fully Concrete Weighbridge
- ✓ Portable / Mobile Weighbridge
- ✓ Pit Type Civil Foundation
- ✓ Pit Less Civil Foundation
- ✓ Tank Weighing System
- ✓ Unmanned Weighbridge System
- ✓ Weighing Scale
- ✓ Weighbridge Services
- ✓ SMF Weighment Software
- ✓ Spares, Accessories & Customized Weighing Systems







PIT-LESS WEIGHBRIDGE

The Full Steel Pitless is a durable, rust-resistant water system component designed for long-lasting performance and easy maintenance. Made entirely of high-grade steel, it ensures leak-proof, efficient water transfer from borewell to pump without the need for a traditional pit.



Parameter	Specification
Type :	Pit Less Weighbridge
Capacity Range :	10 Tone to 100 MT
Platform Material :	Mild Steel / Optional RCC
Weighing Mechanism :	Digital Load Cell System
Platform Length :	7m to 18m (Custom sizes available)
Accuracy Class :	Class III in OIML Approved
Display Unit :	LED/LCD Digital Indicator with Printer
Power Supply :	230V AC / Optional Battery or Solar

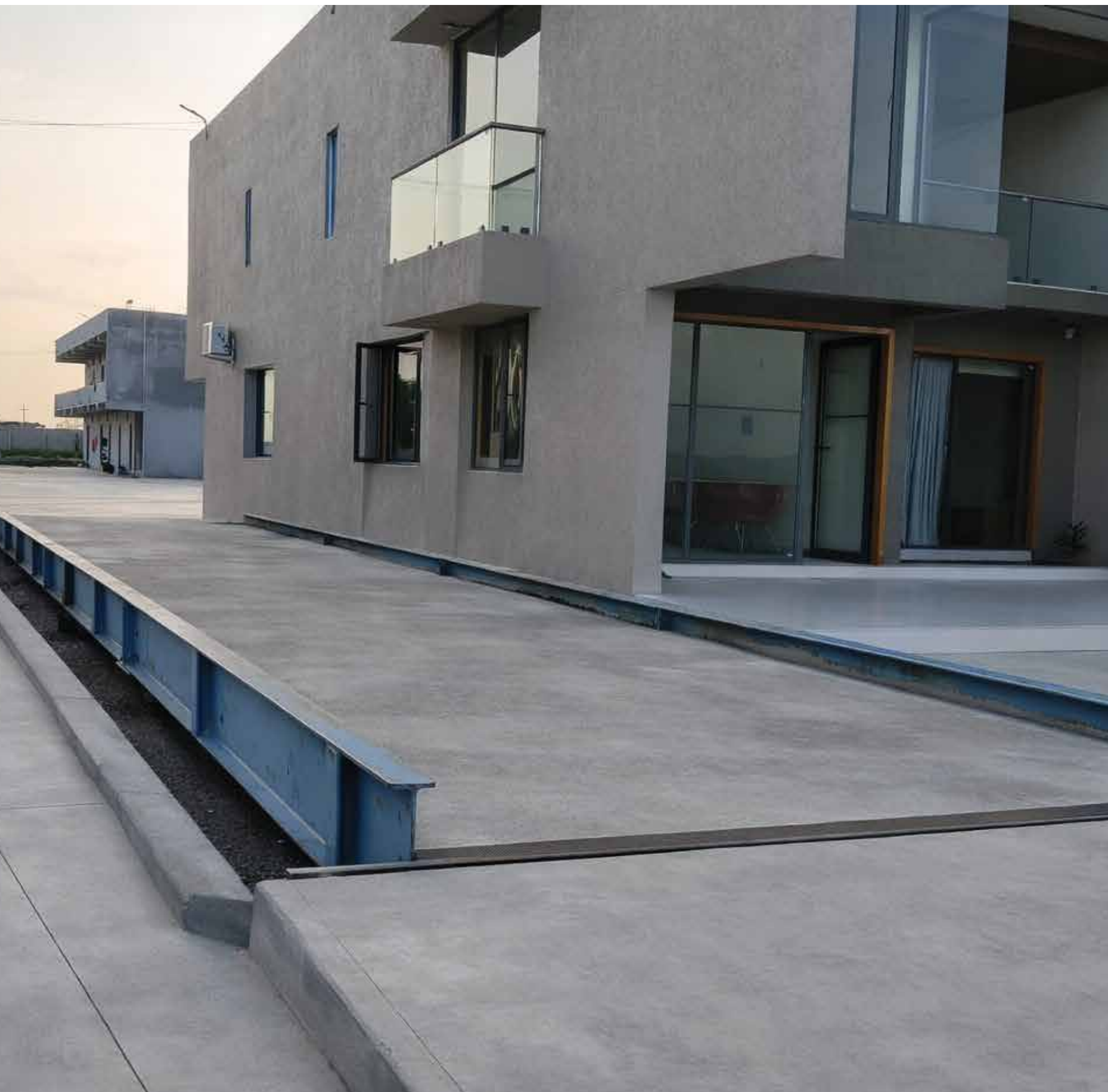


PIT-TYPE WEIGHBRIDGE

A Pit-Type Weighbridge features a platform level with the ground, allowing vehicle access from any side without ramps. Ideal for sites with limited space, it requires an underground pit with drainage and provides a durable, long-term solution with stable and accurate weighing.



Parameter	Specification
Type :	Pit Type Weighbridge
Capacity Range :	10 Tone to 100 MT
Platform Material :	Mild Steel / RCC (Customizable)
Weighing Mechanism :	Digital Load Cell System
Platform Length :	7m to 18m (Custom sizes available)
Accuracy Class :	Class III in OIML Approved
Display Unit :	LED/LCD Digital Indicator with Printer
Power Supply :	230V AC / Optional Solar Power Support



SEMI CONCRETE WEIGHBRIDGE

The RCC Weighbridge provides high strength, durability, and rust-free performance. Its reinforced concrete design ensures long life with minimal maintenance, making it ideal for permanent sites with heavy vehicle traffic.



Parameter	Specification
Type :	RCC / Concrete Weighbridge
Capacity Range :	10 Tone to 100 MT
Platform Material :	Fully RCC (Top slab, side walls, etc.)
Load Cell System :	Digital Load Cells with Junction Box
Platform Length :	7m to 18m (Custom sizes available)
Accuracy Class :	Class III in OIML Approved
Display Unit :	LED/LCD Digital Indicator with Printer
Foundation Type :	Pit or Pit-less (as required)



FULLY CONCRETE WEIGHBRIDGE

A Fully RCC Weighbridge uses a reinforced-concrete deck that is rust-proof, stable, and maintenance-free. Its solid structure absorbs shocks, protects load cells, and delivers long-lasting, accurate weighing in harsh conditions.



Overview

A Fully Concrete Weighbridge features a strong reinforced-concrete deck that is rust-proof, stable, and maintenance-free. Its solid structure absorbs shocks, protects load cells, and ensures long-lasting, highly accurate weighing—especially suited for harsh and coastal environments.

Key Points:

Maintenance-free & rust-proof — No corrosion, no yearly repainting needed.

High durability — Strong RCC platform with a much longer life than steel.

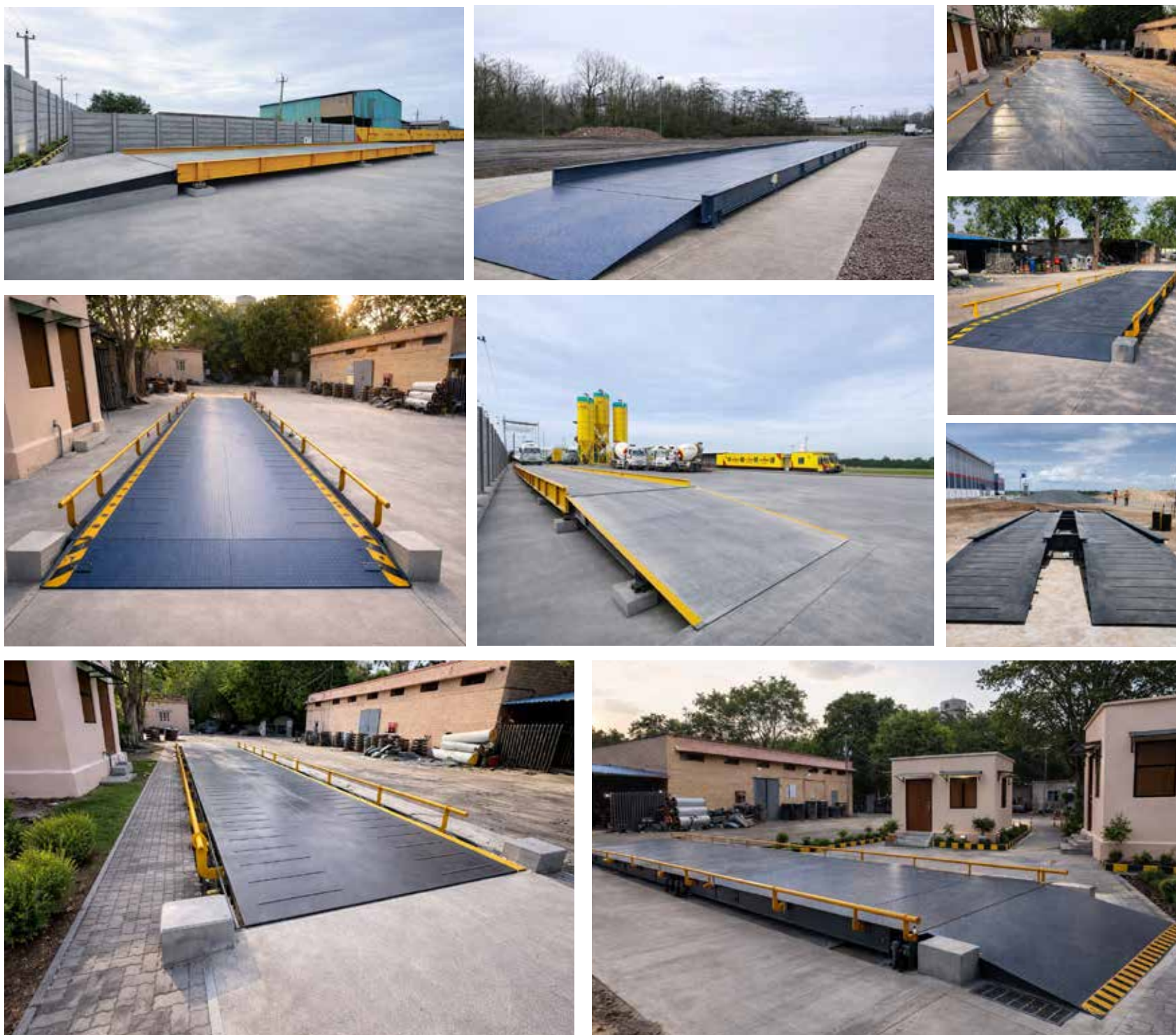
Better shock absorption — Fewer vibrations reach load cells, improving lifespan and accuracy.

Faster stable readings — Reduced vibration ensures quicker and more accurate weight display.



PORTABLE/MOBILE WEIGHBRIDGE

A Modular Portable Weighbridge installs fast without heavy foundation work. Its prefabricated steel sections and built-in ramps make it easy to move and durable in all weather, with accurate weighing across 10–100+ ton capacities.



Parameter	Specification
	Portable / Mobile Weighbridge
Capacity Range :	10 Tone to 100 MT
Platform Material :	Steel Modular Deck
Weighing System:	Digital Load Cells with Junction Box
Platform Length :	6m to 16m (Custom sizes available)
Installation Time:	1–2 days with minimal site preparation
Display Unit :	LED/LCD Digital Indicator with Printer
Foundation Type:	RCC or Steel Base Frame (as required)



PIT TYPE CIVIL FOUNDATION





PIT-LESS CIVIL FOUNDATION





TANK WEIGHING SYSTEM

A Tank Weighing System is designed to measure the exact weight of liquids or bulk materials stored in tanks. It ensures real-time monitoring, high accuracy, and process efficiency for industrial applications.



SILOKIT-R



STABICAN



SILOSAFE



RH10X



Overview

A Tank Weighing System is used to accurately measure the weight and contents of tanks by installing load cells under the tank supports. It provides real-time weight data for liquids, powders, or granular materials, ensuring precise monitoring and control. The system improves process accuracy, supports automation, reduces material wastage, and integrates easily with PLC or process control systems.

Key Points:

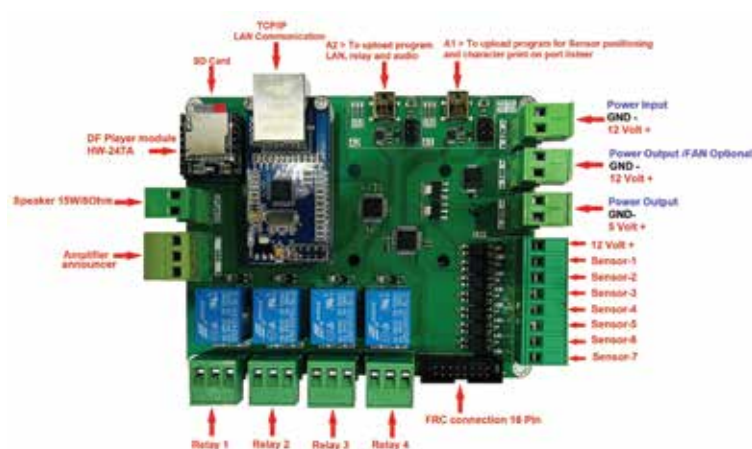
- High-accuracy load cells for precise weight measurement
- Strong & durable stainless steel construction
- Real-time digital weight display
- Shock & vibration resistant design
- Easy installation on new or existing tanks



UNMANNED WEIGHBRIDGE SYSTEM

The Symphony Unmanned Weighbridge Centering System is an automated solution that ensures accurate vehicle positioning, faster weighing, and improved security with minimal human intervention. It supports 24/7 operations and easy system integration.

1.INDUSTRIAL BUILT CONTROLLER FOR POSITIONING



CONTROLLER PARAMETERS

Parameter	Specification
Input Power	12V DC / 5A
Ethernet	1 × Gigabit Ethernet Port
Audio Output	PA
Video Output	14-Pin LED Matrix Interface
GPIO	7 × Digital Input (12V)
Relays	4
IP Rating	IP65
Dimensions	275 × 275 × 137.5 mm

The Symphony Weighbridge Controller is an IP65-rated industrial unit that provides accurate positioning with IoT-enabled control and seamless integration.

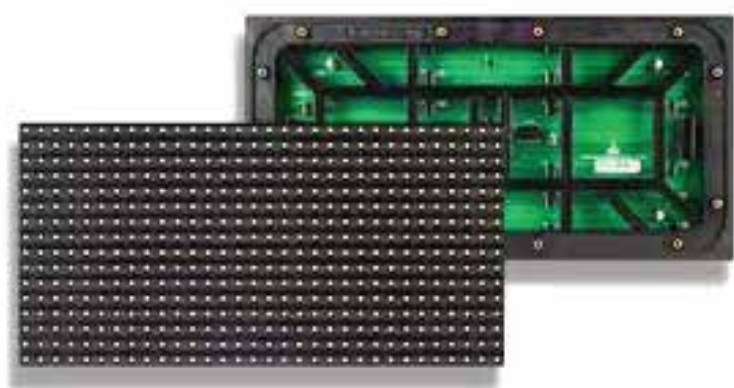
2. PHOTOCELL (INFRARED SENSORS)

PHOTOCELL PARAMETERS

Parameter	Specification
Power Supply	12V~24V AC/DC
Max Range	15m
Infrared Frequency	1.92 Khz
Input Power	RX 15mA, TX 30 mA
Relay Output	1A max 36V
Wave length	940nm



3. LED MATRIX DISPLAY



PHOTOCELL PARAMETERS

Parameter	Specification
Pixel Pitch	10mm
Color	RED
LED Type	SMD
Shape	Rectangle
Usage Commercial Voltage	190V-250V AC
Display Size	640mm x 960mm
Cabinet Size	690mm x 1010mm x 100mm
Cabinet	Polycarbonate Sheet with Powder Coated With Pole Mounting and Wall Mounting
Color Of Cabinet	Black
Communication Protocol	LAN, Wi-Fi
Temperature	0-70 degree C
Relative Humidity	Up to 90%
IP Grade	IP 55

4. AMPLIFIER & PA HORN SPEAKER



The Amplifier and PA Horn Speaker system offers clear and powerful sound for commercial use. Made with durable ABS material, it ensures reliable performance. With 15W RMS output, multiple input options, and 4 Ohm / 100V line support, it is ideal for public announcements and large-area coverage.

AMPLIFIER & PA PARAMETERS

Parameter	Specification
PA Horn Speaker Dimension	250mm x 145mm
Weight (Horn Speaker)	1.51 Kg
Material	ABS (UV Protected)
Impedence	8 Ohm
Frequency Response	275-7000 Hz
Amplifier	PA-400S
Input Channels	2 x Mic 1mV/4.7kohm, 1 x Aux 100mV/330kohm
Speaker Outputs	4 Ohm, 100V Line
Weight (Amplifier)	2.1 kg
Input Power	15W RMS / 23W MAX



5. BARRIER GATE



BARRIER PARAMETERS

Parameter	Specification
Model	SMF Sport-3
Running Speed	0.9 s
Boom Length	3 m
Boom Dimension	45mm x 80mm
Boom Weight	3 Kg
Duty Cycle	100%
Motor Torque	1400 rpm
Power Consumption	80 W
Supply Voltage	220V ±10%, 110V ±10%
Motor Voltage	220 V AC
Frequency	50-60 Hz
Working Temperature	-30°C to +85°C
Enclosure Rating	IP 54

6. CCTV IP CAMERA



IP Cameras (Internet Protocol Cameras) provide high-definition real-time video monitoring over a network. Designed for industrial environments, they ensure secure vehicle tracking, activity recording, and remote access from anywhere. With advanced image clarity, night vision capability, and seamless integration with weighbridge systems, IP Cameras enhance security, transparency, and 24/7 operational control.



7. RFID READER



The RFID (Radio Frequency Identification) Reader enables fast and contactless vehicle identification for unmanned weighbridge operations. It automatically detects authorized RFID tags, allowing seamless entry and exit without manual intervention. Designed for industrial environments, it ensures accurate data capture, reduces waiting time, eliminates human errors, and enhances operational efficiency with secure and real-time tracking.

8. TRAFFIC LIGHT



The Traffic Light ensures smooth and controlled vehicle movement at unmanned weighbridges. It provides clear stop and go signals, enhancing safety and maintaining efficient traffic flow.



Application Area

Designed for diverse industrial sectors including Mining, Sugar, Textile, Cement, and Construction industries, ensuring efficient and automated weighbridge operations across high-traffic environments.



**TEXTILE
INDUSTRY**



**SUGAR
INDUSTRY**



MINING

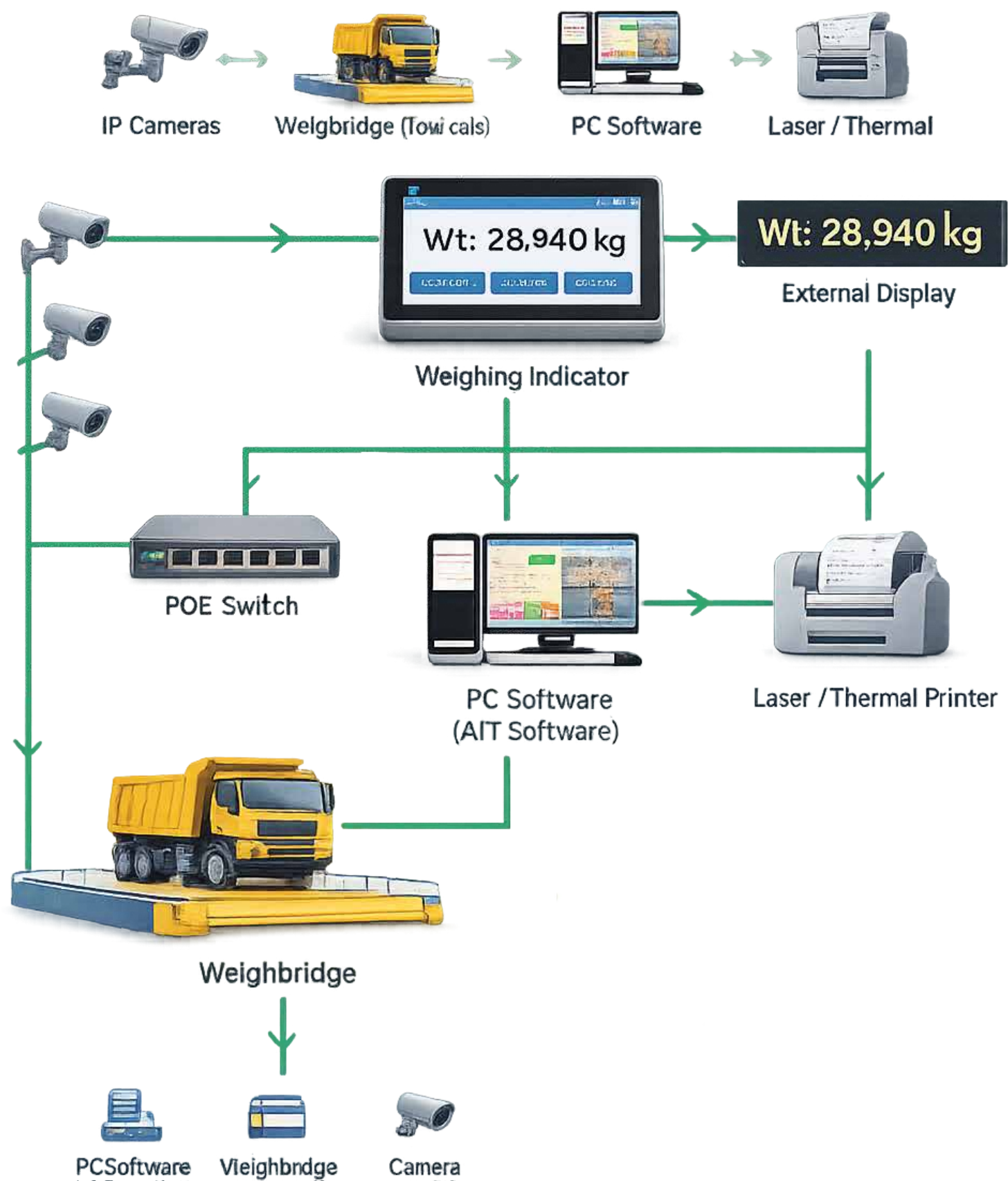


**CEMENT
INDUSTRY**



**CONSTRUCTION
INDUSTRY**

SMF WEIGHMENT SOFTWARE



Key Features

- ✓ Complete Weighbridge Automation
- ✓ Compatible with Windows 11 / 10 / 8 / 7
- ✓ Indicator Integration
- ✓ Up to 4 IP Camera Support (POE)
- ✓ Automatic Gross / Tare / Net Calculation
- ✓ Ticket Printing with Photos
- ✓ Multi-Weighbridge Support
- ✓ Multi-Printer Support
- ✓ Custom Logo & QR / Barcode Printing
- ✓ Advanced Reports
- ✓ Excel / CSV / PDF Export
- ✓ SMS & Email Alerts

India Weighing Bridge

Road no. 1, Industrial Area
High City, 654 123 (Raj), INDIA

RST No. :	550	Vehicle Type :	Truck 8 Wheel
Vehicle No. :	Rj1410M1234	Party Address :	JAIPUR
Party Name :	Bharat Kumar		
Item :	STEEL		

Gross :	53920 Kg	Date: 03-01-2023 11:03:16	Rs	150.00
Tare :	14180 Kg	Date: 02-01-2023 12:48:35	Rs	80.00
Net :	39740 Kg			

Charges 2: Rs 150.00



DRIVER SIGNATURE

OPERATOR'S SIGNATURE

Op ID: 45

Telephone No. - 0141-1234567
! Thanks for your visit!

System Components

- ✓ IP Cameras (Up to 4 via POE Switch)
- ✓ Weighbridge (Load Cells)
- ✓ Junction Box
- ✓ Weighing Indicator
- ✓ External Display
- ✓ PC Software (AIT Software)
- ✓ Laser / DMP / POS / Thermal Printer



WEIGHING SCALE





Mini-nano Weighing Scale

A durable, high-capacity weighing device designed for accurate measurement of heavy loads in industrial settings.



Jewellery Scale

Jewellery Scale is a compact and precise device for accurately weighing gold, silver, and other precious items.



Industrial Weighing Scale

Heavy-duty precision scale designed for accurate and reliable weight measurement. Ideal for factories, warehouses, and industrial applications.



Industrial Platform Scales

Industrial Platform Scales are heavy-duty, low-profile floor scales built with durable steel platforms and high-precision load cells. Ideal for weighing pallets, cartons, and bulk goods in warehouses and industrial environments.



Weighing Scale

A durable, high-capacity weighing device designed for accurate measurement of heavy loads in industrial settings.



Table Top Weighing Scale

A compact and accurate weighing device designed for quick measurements in shops, labs, and daily-use environments.



Crane Scale

The Crane Scale is a durable and accurate digital weighing device designed for heavy-duty use. With a strong metal body, sturdy hooks, and a clear LED display, it ensures safe and reliable performance in warehouses, factories, and construction sites.





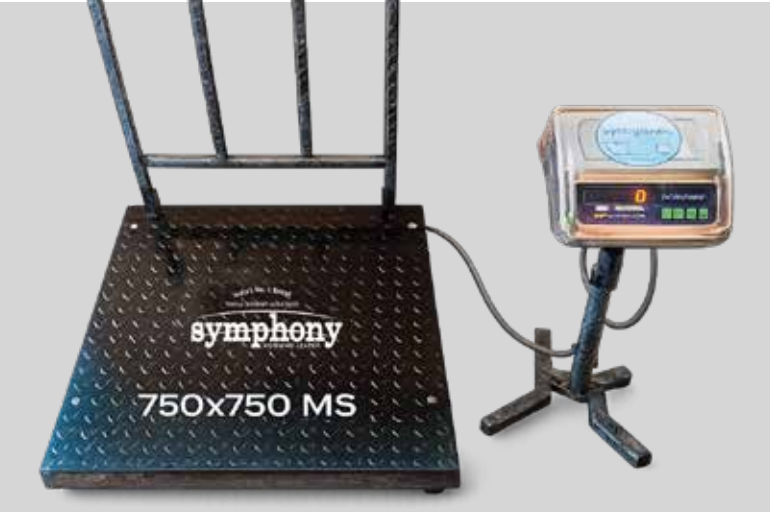
Mobile Scale

A durable, high-capacity weighing device designed for accurate measurement of heavy loads in industrial settings.



Small Platform Scales

Small Platform Scales are compact floor or bench scales for boxes and parcels, offering sturdy construction, digital displays, and accurate weighing from 50 kg to a few hundred kilos.



Customized Weighing Scale

A durable and high-capacity weighing solution specially designed to meet specific industrial requirements. Built with a strong steel platform and precision load cells, it ensures accurate and reliable measurement of heavy loads in demanding environments. Ideal for warehouses, manufacturing units, logistics operations, and customized applications where standard scales may not fit operational needs.

SPARES, ACCESSORIES & CUSTOMIZED WEIGHING SYSTEMS





Intelligent Load Cell

A high-precision load cell transducer designed for accurate weight measurement in industrial applications. Built with a durable metal body and strong cable connection, it ensures reliable performance and stable load sensing for heavy-duty use.



Analog Load Cells

Analog Load Cells are traditional strain-gauge sensors with mV/V output, built in various types and capacities with rugged IP67/IP68 construction, providing reliable, precise weight sensing using a junction box and indicator.



Compression Load Cell

A compact and heavy-duty compression load cell designed for accurate and stable force measurement. Made with a durable stainless steel body, it ensures reliable performance in industrial weighing and automation applications.



Digital Intelligent Terminal

A Digital Intelligent Terminal directly communicates with each digital load cell for fast, accurate weighing, offering easy calibration, advanced connectivity, and a user-friendly interface with extensive data capabilities.



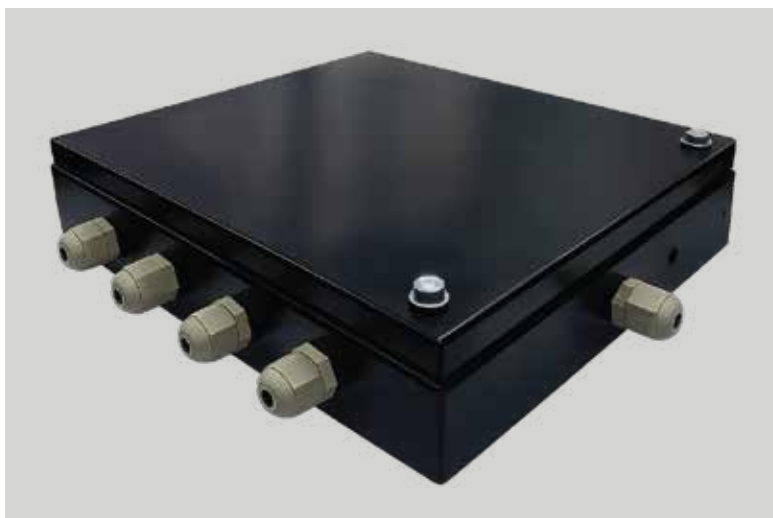
Analog Intelligent Terminal

An Analog Intelligent Terminal is a high-resolution weight indicator for analog load cells, offering stable signal processing, data storage, printer support, and essential automation functions in a durable industrial design.



Touch Screen IT

Touch Screen IT provides an intuitive and user-friendly interface for seamless system control and monitoring. It ensures faster operation, improved accuracy, and enhanced efficiency in industrial applications.



Junction Box

Durable metal enclosure for secure load cell wiring. Powder-coated finish with multiple cable glands for safe, dust-resistant connections. Ideal for weighbridge and industrial weighing systems.



Dot Matrix Printer

Dotmatrix Printer ensures reliable and continuous printing of weight slips and transaction records. It is durable, cost-effective, and ideal for heavy-duty industrial environments.



Keyboard

Keyboard is a durable and user-friendly input device designed for weighbridge systems, allowing operators to enter vehicle details, control functions, and manage data efficiently for smooth and accurate operations.



Junction Boxes with Lightning Arrestors

Junction Boxes with Lightning Arrestors safely combine multiple load cells while protecting them from surges and lightning, using rugged IP67 enclosures with trim pots to maintain accuracy in harsh outdoor conditions.



Power Protection Device

A Power Protection Device shields weighbridge electronics from spikes and surges, ensuring stable operation, preventing damage, and maintaining accurate measurements while reducing downtime and maintenance costs.



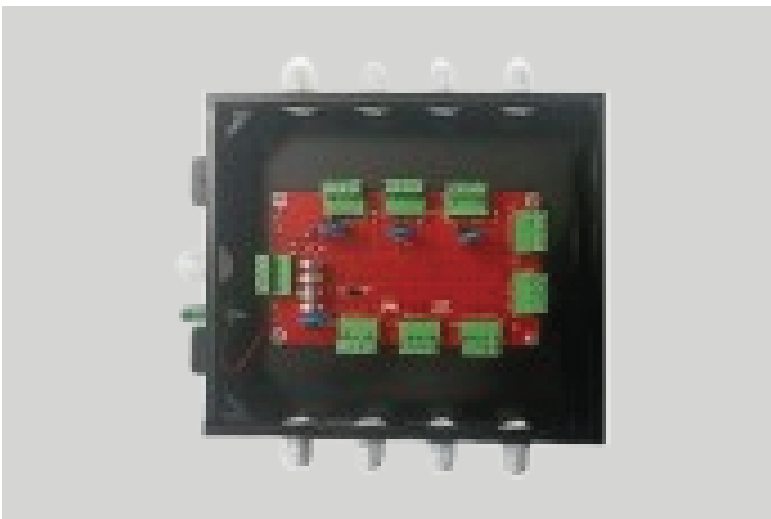
Analog Junction Box – 4

1. Supports up to 4 load cells
2. Stable analog signal balancing
3. Durable enclosure for industrial use
4. Easy corner adjustment setup



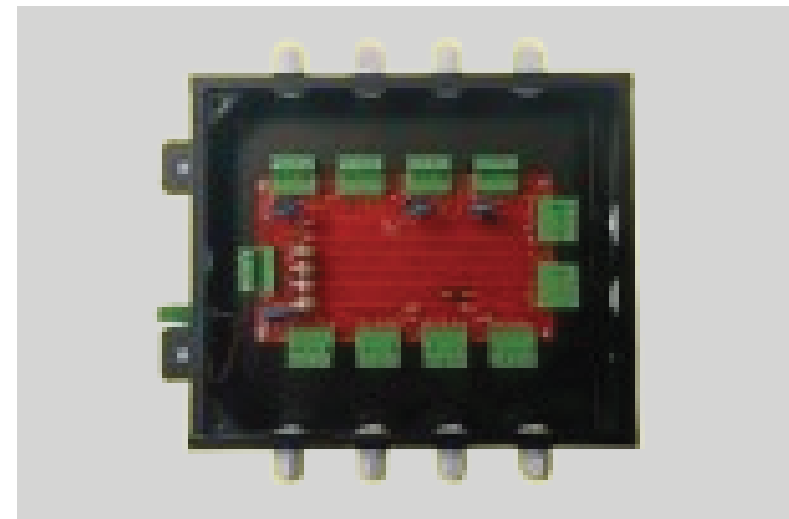
Analog Junction Box – 8

1. Connects up to 8 load cells
2. High accuracy signal distribution
3. Corrosion-resistant connectors
4. Reliable long-term performance



Digital Junction Box – 8

1. Digital communication for better accuracy
2. Supports 8 digital load cells
3. Advanced surge & noise protection
4. Fast and stable data transfer



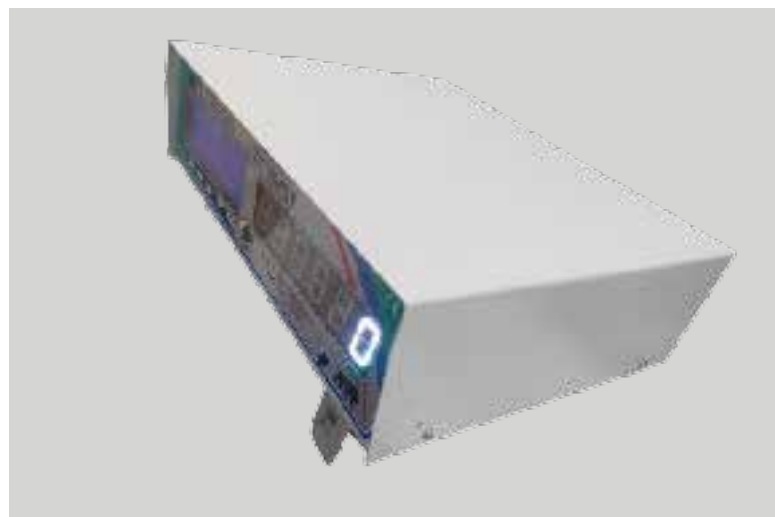
Digital Junction Box – 10

1. Supports up to 10 digital load cells
2. High stability and precision output
3. Strong industrial-grade housing
4. Ideal for heavy-duty weighing systems



MUIT Terminal

1. Analog / Digital weighing indicator
2. Bright multi-colour LED front display
3. USB & PS2 keyboard support
4. Isolated printer connectivity



IT Terminal

1. Advanced analog weighing indicator
2. Multi-colour high-visibility LED display
3. USB & PS2 keyboard ports
4. Isolated printer interface
5. USB data transfer support (optional)
6. Dual ADC ports for dual weighbridge connection



Touch Screen IT Terminal

An advanced touch-based weighing terminal designed for modern industrial applications. Equipped with a 7-inch true colour TFT display and soft capacitive touch interface, it ensures smooth operation and clear visibility. Supports USB printer connectivity, large bill memory storage, and GSM modem integration for remote monitoring and alerts. Ideal for smart weighbridge and automation systems.



GSM Modem for SMS Alerts

A GSM Modem for SMS Alerts automatically sends weight data and alarm notifications to selected mobile numbers. It enables real-time remote monitoring of weighbridge operations through configurable GSM messaging, improving efficiency, safety, and response time without requiring constant on-site supervision.



SmartWeigh Software (Yearly Subscription)

Advanced weighbridge management software designed to automate, monitor, and control complete weighing operations with accuracy and transparency.

Key Features

- ✓ Real-Time Weight Monitoring
- ✓ Vehicle & Customer Database Management
- ✓ Automatic Ticket Printing
- ✓ Gross / Tare / Net Weight Recording
- ✓ Secure Digital Data Storage
- ✓ PDF & Excel Export Support
- ✓ Multi-User Access Control
- ✓ Customizable Reports (Daily / Monthly / Yearly)

Benefits

- ✓ Reduces Manual Errors
- ✓ Saves Time & Paperwork
- ✓ Improves Operational Efficiency
- ✓ Enhances Data Security
- ✓ Complete Transaction Transparency



Wireless Operating System (WOS)

Wireless Operating System (WOS) is a smart weighing solution that converts traditional weighbridge operations into a fully digital and connected system. It connects the weighbridge indicator, touchscreen console, and mobile app through secure wireless technology.

With real-time weight transmission, users can monitor Gross, Tare, and Net weight from anywhere. WOS ensures accurate data flow, reduces manual work, and improves operational transparency.

Key Features

- ✓ Live Weight Display on Touchscreen
- ✓ Mobile App Monitoring
- ✓ Wireless Data Transmission
- ✓ Real-Time Gross / Tare / Net Tracking
- ✓ Cloud Data Synchronization
- ✓ Remote Access & Control
- ✓ Secure Digital Record Keeping
- ✓ Instant Report Sharing
- ✓ Multi-Device Connectivity
- ✓ Error-Free Digital Operation

Benefits

- ✓ Eliminates Manual Recording
- ✓ Enables Remote Monitoring
- ✓ Improves Transparency
- ✓ Faster Operations
- ✓ Secure & Reliable Data Flow



WEIGHBRIDGE SERVICES



1. SmartWeigh Software (Basic & Pro)

- ✓ SmartWeigh Software (Basic & Pro) streamlines weighbridge operations with easy data entry, ticket printing, and secure record management.
- ✓ The Basic version handles essential weighing tasks, while the Pro version adds advanced reporting, multi-site integration, ERP connectivity, and remote monitoring.
- ✓ Both editions improve accuracy and efficiency by reducing manual work and providing a user-friendly interface.

2. AMC Contracts (Annual Maintenance Contracts)

- ✓ Provide year-round preventive maintenance through scheduled inspections, calibration checks, and professional servicing to keep weighing systems in optimal condition.
- ✓ Offer priority technical support and faster response times, minimizing unexpected breakdowns and ensuring continuous, reliable operation.
- ✓ Maintain accuracy and legal compliance through timely recalibration and stamping, while significantly extending the overall lifespan of the equipment.

3. Stamping & Calibration

- ✓ Official legal metrology service that verifies and stamps scales or weighbridges for trade use as required by law.
- ✓ Performed with certified test weights to ensure accuracy, make necessary adjustments, and meet regulatory standards.
- ✓ Provides compliance certificates and documentation, ensuring your equipment stays accurate and legally approved on a yearly or scheduled basis.

4. All-in-One Weighbridge Solution (Foundation to Stamping)

- ✓ Complete end-to-end package covering civil foundations, weighbridge structure, load cells, instrumentation, installation, and setup.
- ✓ Includes full commissioning, calibration to legal standards, and coordination for government stamping and trade certification.
- ✓ Provides a single-source, hassle-free experience, ensuring the weighbridge is fully operational, compliant, and ready for use at project completion.

Thank You

Symphony Weighing Leader builds strong, reliable and accurate weighing systems designed for industrial performance.

We focus on precision, fast installation and long-lasting value to support smooth business operations.

Our weighbridges deliver durable construction and stable results, even in demanding working conditions.

With certified accuracy and a nationwide service network, we ensure dependable weighing support for every industry.

“ **100%**
Structural Guarantee ”

Get In Touch

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