



An ISO 9001:2015 Certified Company



Innovation Beyond Imagination

VALIANT INSTRUMENT

Mfg. & Repairing :
Electronic Weighbridges,
Weighing Scales,
Weighing Automation,
Hopper Weighing &
Customized Weighing Solution,
Weighing Software & Spares.



GLD Terminal



Cup & Ball Type Load Cell



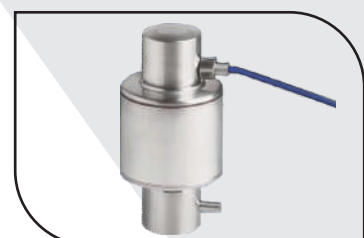
Intelligent Terminal



Double Ended Shear Beam L.C.



Double Ended Shear Beam L.C.



Compression Load Cell



Point Beam Load Cell



S Type Load Cell

VALIANT INSTRUMENT

502, 5th Floor, The Emporio,
Opp. 4D Square Mall, Visat - Gandhinagar Highway,
Motera, Ahmedabad, Gujarat (IND)-380005.
Contact : +91 9924201587, 9924200625
E-mail : alpesh@valiantinstrument.com
sales@valiantinstrument.com
Visit us : www.valiantinstrument.com



TFT Terminal



ABOUT US

Valiant Instrument is started with an objective to provide professional weighing solutions, testing, and calibration field to the growth oriented and quality conscious industrial segments. Our aim is not only to provide precise and accurate weighbridges and services, but also to design customized product & software solutions with unparalleled quality services like Pre Sales Service, Installation & Commissioning, Customer Training, Application Support, Preventive Maintenance Service, Annual Maintenance Contract, Repair Service, Calibration Services, Spares Stock, Weighing accessories and support as well as specially new exploration into weighbridge software etc..

Today, we take pride to provide solutions to improve established quality standards for a range of industries such as Packaging, Infrastructure, Cement, Cold Storage, Metal, Chemical, Oil, Gas, Steel, Mining, Power Plant, Polymers, Plastics, Pharma, Food, Engineering and many more. We specialize in providing quality products and services with motto of **innovation beyond imagination**. Our highly professionals approach, combined with a sensible pricing policy has allowed us to develop a loyal customer base throughout India.

Valiant Services

Valiant offer the best overall product in terms of technology, performance, quality, and customer support. While each is important, our demonstrated commitment to after-sales support is a primary reason for the continued loyalty of our customers. To provide this level of support, Valiant has assembled the field technical and service professionals in the industry. Others promise good service. Talk to our customers and learn how Valiant consistently delivers on our promise to provide exceptional service.

Our Service Lists

- ⊖ Annual Maintenance contract
- ⊖ On call service
- ⊖ Lifetime support for your weighing instruments
- ⊖ Customized Software and online support
- ⊖ Calibration and re-verification services
- ⊖ Re-installation, upgradation and integration to online system
- ⊖ Upgradation of Mechanical weighbridge into fully electronics weighbridge.



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Pitless Type Weighbridge

- ⊖ Capacity: 10MT to 100MT
- ⊖ Above ground level
- ⊖ Construction cost is very less
- ⊖ Easy access to load cells for servicing and installation
- ⊖ Very less maintenance
- ⊖ Absolute visibility for vehicle position
- ⊖ Ramps provided on either side to mount the weighbridge platform
- ⊖ RS 232, RS 485 or 4 to 20 Amp (Modbus or Ethernet facility)
- ⊖ Integration with computer or PLC
- ⊖ Jumbo display for drivers visibility



Pit Type Weighbridge

- ⊖ Capacity: 10MT to 100MT
- ⊖ Top of deck matches ground level if require
- ⊖ Structure, load cells, pedestals below ground level
- ⊖ No access to weighbridge components for outsiders
- ⊖ It is most suitable, if the space is limited.
- ⊖ All types of vehicles can be weighing as platform is in flushed with ground level.
- ⊖ Natural drainage required if needed
- ⊖ RS 232, RS 485 or 4 to 20 Amp (Modbus or Ethernet facility)
- ⊖ Integration with computer or PLC
- ⊖ Jumbo display for drivers visibility



Mobile Weighbridge

- ⇒ Capacity: 30MT to 100MT
- ⇒ Economical, adaptable and portable solution for most of temporary use (Agriculture, Building Trade, Infrastructure Forestry, Rubbish for Landfill sites, Quarries, etc.)
- ⇒ Easy to shift to another place.
- ⇒ Less construction cost compare to other weighbridge.
- ⇒ Integration facility with other plant weighbridges. (Unlimited if asked)
- ⇒ Fast installation.

Axle Weighbridge

- ⇒ Capacity: upto 40MT or more.
- ⇒ Economical, adaptable and portable solution for vehicle and truck weighing in RTO Industry.
- ⇒ Weighs the individual axle and computes the total weight of the truck.
- ⇒ Automatic weigh individual axles .
- ⇒ Loop detector / sensors operated system.
- ⇒ SINGLE AXLE - 750 mm x 3000 mm.



RCC (Concrete) Weighbridge

- ⇒ Capacity: 40MT to 100MT
- ⇒ Economical, adaptable, and compact solution for vehicle and truck weighing.
- ⇒ Structure, load cells, pedestals below ground level.
- ⇒ Reliable structure compare to other type of weighbridges.
- ⇒ Durable construction sets, apart from the competition with its toughness and zero maintenance.
- ⇒ RCC weigh bridge is virtually maintenance free.
- ⇒ No access to weighbridge components for outsiders.
- ⇒ Specially suitable for salty places.



Modular Weighbridge

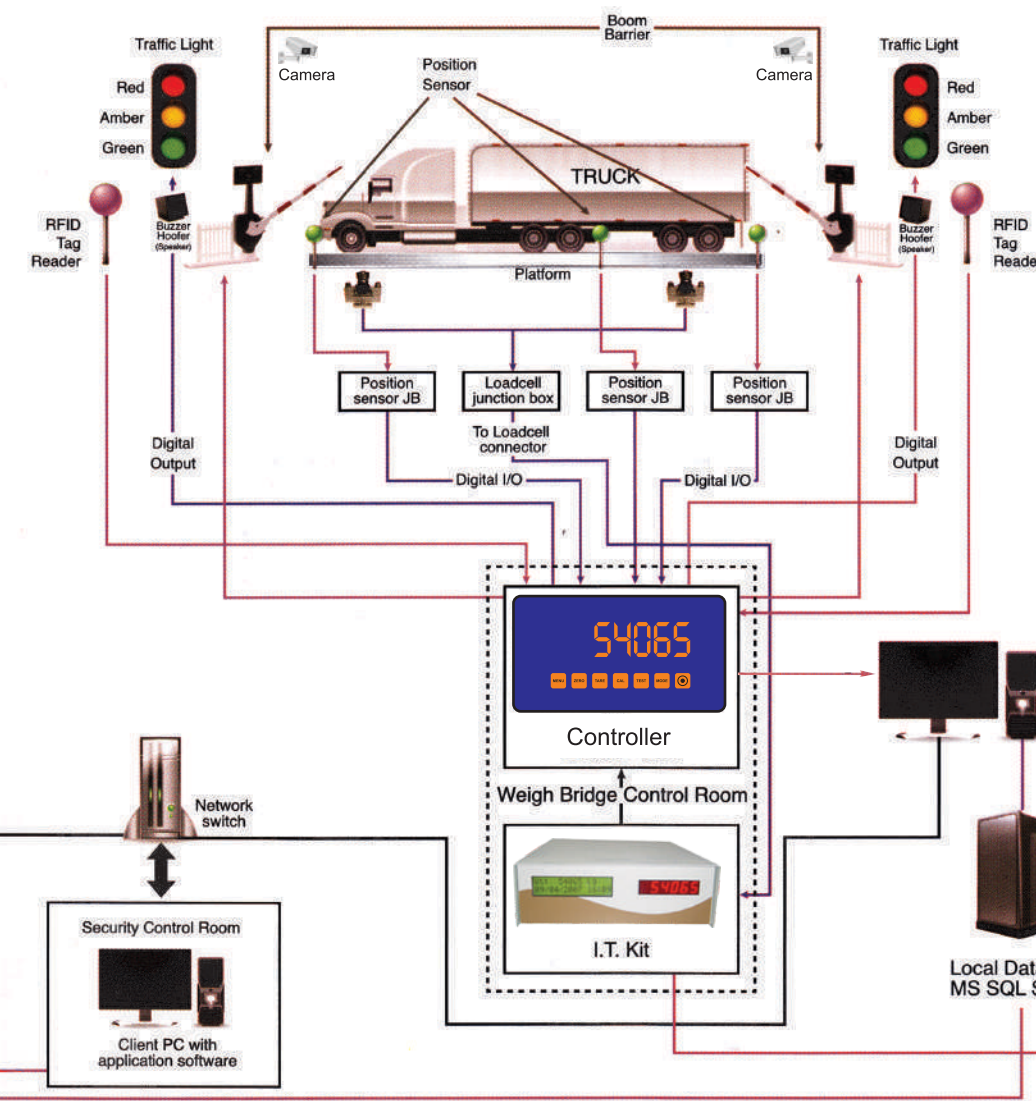
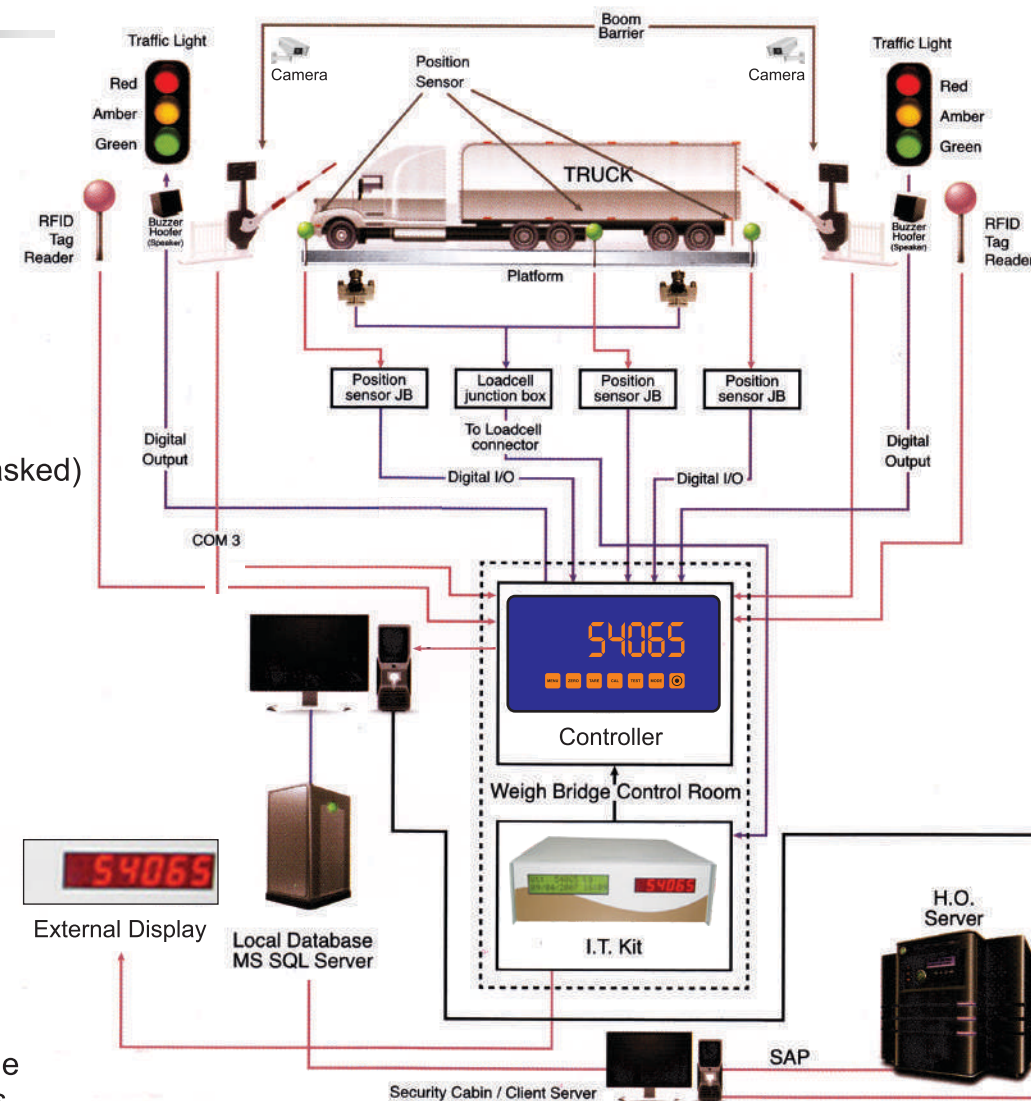
- ⇒ Capacity: 30MT to 100MT
- ⇒ Suitable for infra & project based industry.
- ⇒ Easy to move, install and re-install.
- ⇒ Less construction cost compare to other weighbridge.
- ⇒ Easily modify in different sizes.
- ⇒ Fully welded modules rating of the system due to loose nut & bolts is totally avoided.
- ⇒ Fast installation.

Unmanned Weighbridge System

- Capacity: 10MT to 100MT
- Main weighing intelligent terminal and controller installed in weighbridge cabin.
- All gadgets like RFID Card / UHF-RFID card, boom barrier, photo sensors, Signal masts, camera, card reader installed near the weighbridge.
- Truck can be loaded properly through signaling light or hooter.
- Truck positioned through position sensors.
- Special indication for vehicle positioning.
- Special Features - Android connectivity in mobile (if asked)
- Camera vigilant

Advantages

- Saves labor force by eliminating the need for an operator.
- Enables driver and vehicle identification with RFID technology.
- Enables unmanned, self service weighing process.
- Automated weighing terminal can be watched simultaneously.
- Automated and manual weighing record transfer.
- Prevents shortage or excessive loadings by providing loadings within the tolerance.
- Reduces formalities and documentation circulations.
- The integration of person-vehicle identification and the weighing operations enables fast and reliable records.
- Archiving and backing up of records is possible.



Range of All Weighbridge Models

CAPACITY	ACCURACY	PLATFORM SIZE (Mtr)
20 MT	5 kg	7.5 × 3; 9 × 3
30 MT	5 kg	7.5 × 3; 9 × 3
40 MT	5 kg	7.5 × 3; 9 × 3; 12 × 3
50 MT	5 kg	7.5 × 3; 9 × 3; 12 × 3
60 MT	10 kg	9 × 3; 12 × 3; 15 × 3; 16 × 3
80 MT	10 kg	16 × 3; 18 × 3; 20 × 3
100 MT	10 kg	16 × 3; 18 × 3; 20 × 3; 24 × 3
60 MT to 100 MT	10 kg	16 × 3; 18 × 3; 20 × 3; 24 × 3

Note :

- All weighbridge size can be customized as per specific requirement in Pit Less, Pit Type, Mobile & Modular etc...
- Load cells can be used of Digital type, Cup and Ball type, Compression type, Double ended shear beam type.

Intelligent Terminal

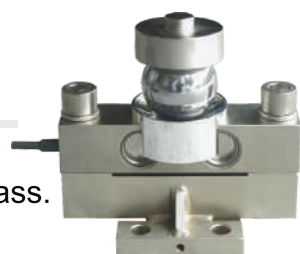
IT kit is a microprocessor based indicator for use on a single weigh platform.

- Adjustable gain factor and dead load count
- Serial RS232/RS485 port for connection to computer, Remote display etc.
- Power supply suitable for large variation in input voltage.
- Option for alphanumeric LCD, Graphic LCD, VFD and LED displays.
- Option for USB port for data portability through pen drive.
- Auto E-mail and SMS facility.



Cup ball type load cell

- Capacities : 5 MT to 40 MT
- Complete environmental Protection - IP68 class.
- Hardened tool steel construction.
- Good side force and shock resistance.
- Full mounting hardware are provided with the load cell.



Digital load cell & Indicator

- Digital cup & Ball type load cell are the optimal solution for weighbridges. It makes the setup, calibration and operation of weighing systems even easier and more reliable.
- Standardized, maintenance-free, extremely compact design.
- Special strain-gauge technology for significantly improved lightning protection.
- Reaches stability quickly which ensures short weighing times.
- Reliable, durable, highly precise.



Weighing Software

Customize software solution is offered with in-house software and development team.



Facilities:

Desktop based software • Web based software • Unmanned Weighbridge based software • Multi Weighbridge Integration in server • LAN Connectivity • Auto-SMS Facilities • Auto-E-Mail Facilities • ERP Connectivity • SAP Integration • TXT File Generation • XML File Generation

All software can be integrated with your existing systems or customized as per requirement.

Flame Proof Scale & Temperature Proof Scale

Capacity: 1 kg to 5000 kg

Size: Standard

Application: Ideal for all type of Flame, Sparking & Sensitive Zone Industry.

Features

- Aluminum Casting Certified Flameproof indicator
- Zener barriers for special protection.
- Heavy duty M.S. plate for bigger platter sizes.
- Display intensity adjustable for longer battery back-up.
- Micro processor based technology. RS 232 or RS 485 or 4 to 20 amp data transfer facility.



Tank/Hopper Weighing Scale

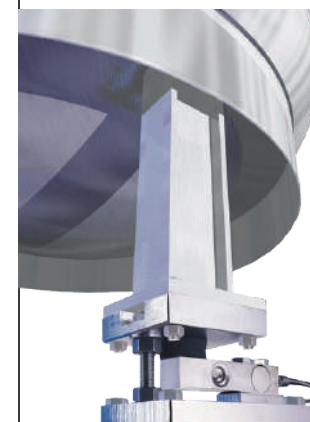
Capacity: 500 kg to 100000 kg

Size: Standard & Customized

Application: Ideal for all type of Tank Weighing Industry

Features

- Rugged construction assembly.
- 24-bit - ADC (High resolution).
- Indications for A.C. On, Net/Gross weight, Zero, Battery, Battery low & count mode.
- Display intensity adjustable for longer battery back-up.
- Micro processor base technology.
- RS-232 or 4 to 20 Amp data transfer facility.



Crane Scale

Capacity: 500 kg to 50000 kg

Size: Standard

Application: Ideal for all type of material lifting work

Availability: Temperature Proof and Wireless Heat Proof with remote control operation.

Features

- Available with wireless remote control.
- Micro processor based technology.
- Overload protection.
- Auto power saving function.
- RS 232 data interfacing facility.
- Optional printing facility.



CAPACITY	ACCURACY
1000 Kg	100 gm
2000 Kg	200 gm
3000 Kg	500 gm
5000 Kg	500 gm
10000 Kg	1 Kg
15000 Kg	5 Kg
20000 Kg	5 Kg
30000 Kg	5 Kg
50000 Kg	5 Kg

Stranded Weights

- Quick & Frequent Accuracy checks on your Weigh Bridge.
- Available in 2 × 1000Kg, 4 × 1000kg and 6 × 1000kg configurations.



CAPACITY	ACCURACY	PLATFORM SIZE
50/60/75 Kg	5 gm	400 × 400 mm
100/200 Kg	10/20 gm	500 × 500 mm
100/200/300 Kg	10/20/50 gm	600 × 600 mm
300/500 Kg	50 gm	750 × 750 mm
1000 Kg	100 gm	900 × 900 mm
2000 Kg	200 gm	900 × 900 mm
3000 Kg	500 gm	900 × 900 mm
500 Kg	50 gm	1250 × 1250 mm
1000 Kg	100 gm	1250 × 1250 mm
2000 Kg	200 gm	1250 × 1250 mm
3000 Kg	500 gm	1250 × 1250 mm
5000 Kg	500 gm	1250 × 1250 mm
10000 Kg	1 Kg.	1250 × 1250 mm

High Precision Weights for Micro Accuracy

(E1, E2, F1, F2, M1, M2, M3 Class Weights)

The weights of E1 and E2 classes are of very higher accuracy and used in various laboratories according to their grade, for verification of weighing equipment of lower class accuracy.



Platform Scale & Heavy Duty Scale

Capacity: 50 kg to 10000 kg
 Size: Standard & Customized
 Application: Ideal for all type of industries.

Features

- Rugged construction with stainless steel platform.
- Heavy duty M.S. checkered plate for bigger platter sizes.
- Micro processor based technology.
- Overload protection.
- RS 232 or 4 to 20 Amp interfacing or data transferring facility.



Our Clients

