

Powerful Weighbridge Solution

WORLDTECH
INSTRUMENTS

WEIGHBRIDGE

RELIABILITY • BEST QUALITY • ACCURACY • COMPETITIVE • HIGH STRENGTH



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Pit or Pit less type weighbridges

Having arrived at a suitable size and capacity configuration, the next big decision is whether to go for a pit or surface mounted bridge. Let us understand these variants.

► Worldtech Pit Type weighbridge:

These weighbridges are installed in a pit, keeping them flush to the road surface. Because these bridges do not require ramps, they take up less surface area, making them ideal for smaller areas or sites where space is at a premium. Initial civil and foundation work can make pit installations a more expensive option. A pit is also prone to piling of debris and water logging, requiring provision of sump-pumps and manholes for maintenance purposes. Guide-rails are not required for pit mounted bridges.



► Worldtech Pit Less Type weighbridge:

Pit less type weigh bridge is installed above the ground level in such a manner that vehicle can drive on the weigh bridge through slope on both sides as foundation is constructed above the ground. The weigh bridge will be above the ground level, easy to maintain, comparatively less civil work and cost.



► Worldtech Mobile weighbridge:

Mobile weigh bridge is generally above the ground with least construction cost, can be installed in such a manner that vehicle can drive through type path. The whole weigh bridge is made of prefabricated blocks which can be easily transport, erect and dismantle. This weigh bridge are available with/without prefabricated MS - ramps.



Worldtech Intelligent Terminal Kit

Memory	: 8K + 128 data storage of 3000 operations with battery back up
Printer Port & Serial Port	: Parallel port & 1 No. RS 232 C type port
Display	: 20 character X 2 line LCD display with back light & LED display
Jumbo Display	: 7 segment, 6 digit (60mm height), red LED
Consolidated Reports	: Date wise, customer wise, commodity, consignee wise
Input Voltage	: 200V - 250V AC @ 50Hz
Environmental Operating temperature	: 10 to 55 Celsius
Humidity	: 0 to 95% non-condensing



Loadcell:-



We offer conventional and digital self restoring compression load cells for enhanced performance of our weighbridge.

These are alloy steel, IP 68 protected load cells suitable for weighbridges of its accuracy class.

Load-cell Specification:-

Rated capacity : 5 ton to 40 ton	Operating temperature range : -30 to +70
Output : RS485	Compensated temperature range : -10 to +40
Combined error : $\pm 0.03\%$ F.S	Maximum safe overload : 150% OF R.C
Non-repeatability : $\pm 0.02\%$ F.S	Ultimate safe overload : 200% OF R.C
Non-linearity : $\pm 0.02\%$ F.S	Recommended Excitation : 10 to 12V DC
Hysteresis error : $\pm 0.02\%$ F.S	Maximum Excitation : 15V DC
Zero balance : $\pm 1\%$ F.S	Environment protection : IP68
Creep error(30minutes) : $\pm 0.02\%$ F.S	Insulation resistance at 50V DC : $\geq 5000\text{M}\Omega$
Temperature effect on zero : $\pm 0.02\%$ F.S	Material : Nickel-plated alloy steel
Temperature effect on output : $\pm 0.02\%$ F.S	Cable Length : 15 m

Why Digital Load cell?

Signal strength

Strain gauge signals arise with analog electrical voltages, but in this type of load cell they are internally converted to digital signals. A digital signal is much stronger for long transmissions.

Signal content

A digital load cell transfers data from each load cell and uses a binary language, like computers. Binary information is safe from disturbance of radio signals, electromagnetism and temperature. It is more stable than analog signal.

Data sample rate

This measure how quick a load cell transmit its information. Instead of conventional load cells providing information endlessly in real time. Digital load cells takes bits of information at a time, multiple times per second.

Advantages

- Easy to troubleshoot
- Software corner adjustments

Digital Load cell Junction Box



Conventional Load cell Junction Box with Potentiometers

Features

Provision to connect 4 IP cameras using RTSP protocol.

Auto email of daily & weekly reports.

Provision for SMS online gateways (recommended) for weighment ticket through SMS.

Different master record set up feature like vehicle master, customer master, supplier master, user master, field master etc.

Addition of 'n' fields like source, destination, challan number, driver name, mobile number etc.

Features of the Intelligent Terminal

- First weighment
- Second weighment ticket no. wise
- Second weighment vehicle wise
- Using codes for entries
- Error handling during data entry
- View ticket number/vehicle wise
- Print duplicate copy ticket no./vehicle wise
- Report printing full/summary
- Report dumping in pen drive
- Feasible to connect with computer keyboard

Weighbridges:

MODEL	CAPACITY	ACCURACY	PLATFORM SIZE (MTR)
MPSC - 25MT	25MT	5kg	7.5 X 3 OR 9 X 3
MPSC - 30MT	30MT	5kg	7.5 X 3 OR 9 X 3
MPSC - 40MT	40MT	5kg	7.5 X 3 OR 9 X 3 OR 12 X 3
MPSC - 50MT	50MT	5kg	7.5 X 3 OR 9 X 3 OR 12 X 3
MPSC - 60MT	60MT	10kg	12 X 3 OR 15 X 3
MPSC - 80MT	80MT	10kg	16 X 3 OR 18 X 3
MPSC - 100MT & Above	100MT	10kg	16 X 3 OR 18 X 3 OR 20 X 3 OR 24 X 3
Customize			

Note:

- Available in Pit type, Pit less type and Mobile type.

- Available in different type Load cells; Cup & Ball type, Compression type, Digital type. etc...





Approved By Govt. of India

Pit type Weighbridge / Pit-Less Weighbridge / weighing equipment's

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