



3 MODULAR TYPE STEEL DECK WEIGHBRIDGES

bridges are new generation products with good points of multi-structure weighbridges at home and abroad, are researched and
 ves and widely adopted now.

Features:

- Quick to install- simple and modular design
- Quality paint finish with shot blasting
- Non-Slip surface: to reduce accidents
- Wholly enclosed for better strength, rigidity and anti-corrosion
- Integrated load cell mount for convenient installation on site
- Easy connection of Display indicator and integration of system with user friendly software

Component:

- Platforms
- Load cells: compression or double ended shear b
- Junction Box
- Weight indicators
- Large displays
- Instrumentation to meet customized requirements

KNOWLEDGE OF WEIGHBRIDGE & CONFIGURATIONS

FORM :

odule, Adaption of U-Shape construction, Ease of Installation & Maintenance, Selection of PIT TYPE & PIT LESS TYPE, Selection of
 Plate

Specifications :

- Top plate thickness
- Check plate :12mm
- Smooth Plate: 10mm
- U-shape main beams height 330mm
 290mm, 260mm or 200mm
 according to the structure
- U-shape main beam plate thickness
 5mm to 6mm

Dimension (m x m)	Modules	Load Cell	Capa
3X6	1	4	20
3X7	1	4	20
	2	6	20 /
3X8	1	4	20
	2	6	20 /
3X9	2	6	30
3X1	2	6	30
23X14	3	8	50
3X16	3	8	60
3X17.4	3	8 / 10	60
3X18	3	8 / 10	60 /
3X21	4	10	80

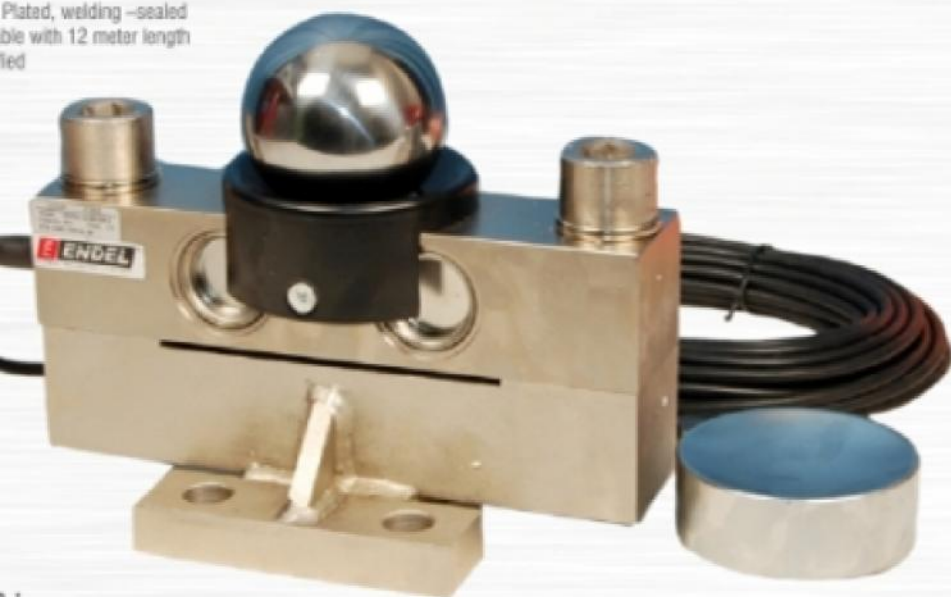


KNOWLEDGE OF WEIGHBRIDGE & CONFIGURATIONS

CELLS & JUNCTION BOX :

Series (Ball in Cup Type)

Plated, welding –sealed
able with 12 meter length
ted



Capacity	Accuracy	Part Number
30T	C3	HM98-C3-30T-128

S :

Accuracy Class	C3	Temperature effect on Zero (%FS/10°C)	0.017
Rated Output (mV/V)	2.0±0.002	Temperature, Compensated (°C)	-10 ~ +40
Combined Error (%FS)	0.02	Temperature Operating (°C)	-35 ~ 65
Non-Linearity (%FS)	0.017	Excitation, Max (V)	5-12 (DC)
Non-Repeatability (%FS)	0.02	Excitation, Permission (V)	18 (DC)
Creep (%FS/30min)	0.02	Safe Overload (%FS)	150
Input Resistance (Ω)	700±7	Ultimate Overload (%FS)	300
Output Resistance (Ω)	700±7	Protection Class	IP68
Insulation Resistance (MΩ)	> 5000(50VDC)	Cable Length (m)	12
Zero Balance (%FS)	1.5		
Temperature Effect on Span (%FS 10°C)	0.014		

END-HM14C Series (Compression Type)

Features:

- Alloy Steel, Nickel Plated, welding –sealed
- 6-wire shielded cable with 13 meter length
- RoHS Certified

Capacity	Accuracy	Part Number
30T	C3	C3HM14C-C3-30T-1386



Specifications :

Accuracy Class	C3	Temperature effect on Zero (%FS/10°C)	0.017
Rated Output (mV/V)	2.0±0.002	Temperature, Compensated (°C)	-10 ~ +40
Combined Error (%FS)	0.02	Temperature Operating (°C)	-35 ~ 65
Non-Linearity (%FS)	0.017	Excitation, Max (V)	5-12 (DC)
Non-Repeatability (%FS)	0.02	Excitation, Permission (V)	18 (DC)
Creep (%FS/30min)	0.02	Safe Overload (%FS)	150
Input Resistance (Ω)	700±7	Ultimate Overload (%FS)	300
Output Resistance (Ω)	700±7	Protection Class	IP68
Insulation Resistance (MΩ)	> 5000(50VDC)	Cable Length (m)	12
Zero Balance (%FS)	1.5		
Temperature Effect on Span (%FS 10°C)	0.014		

JUNCTION BOX :

END-JB-01 Series

Features:

- Stainless Steel
- Easy to assemble and calibrate, high reliability
- Fully encapsulated, waterproof and moisture proof
- Operating Temperature: -40°C to +85°C
- Optional: IP65/IP68
- Special for floor Scale, truck scales
- 2 to 10 channel, load cells with 4 wire or 6 wire cable



KNOWLEDGE OF WEIGHBRIDGE & CONFIGURATIONS

HT INDICATORS & JUMBO DISPLAY :



VT-300 (VISHAY TRANSDUCER-UK)

JUMBO DISPLAY (OPTIONAL)

Terminal with built in Ticket formatting software and connection to the dot-matrix printer for standard ticket printing

Powerful alphanumeric terminal, designed for weighbridges, inventory control, and other demanding Weighing applications. The terminal includes alphanumeric and functional keys for easy data entry and setup. A 16-character dot-matrix LCD display supports the terminal in complex industrial applications.

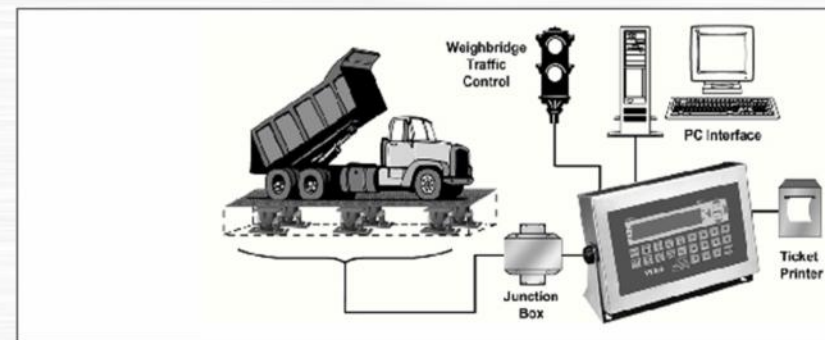
The terminal manages various transactions allowing choices of customer, material type, or truck identification. Documented records of all daily transactions are stored in memory and made available for computer reporting. Printable tickets and reports are easily formatted and edited. Enclosure available in wall-mount, and Desktop.

- Used as a weighbridge terminal
- Large 16-character LCD display
- Numeric and functions keyboard
- Supports printing and networking
- RS-232C PLC interface (optional)
- Multiple weight set points
- Large memory and programmable database of transaction records

- IP65 enclosure (Ip65), aluminum enclosure
- Multiple operating modes
- NIST approved to 10000d
- RS-232C interface (optional)
- Multiple ticket formats

g systems

Configuration:



4. SOFTWARE & PC :



WEIGHING MANAGEMENT SOFTWARE



PC & PRINTER (OPTIONAL)

- PC based software for complete managing weighbridge system.
- Simple intuitive operator interface with wide range of support functions
- Remote management of the weighing system, with display of all the scale status messages, selected storages, net, gross, and
- Easy execution of the ZERO, AUTOMATIC TARE, PRESET TARE, and PRINT functions.
- Single weigh, INPUT/OUTPUT weigh, with recall of the input weigh through the vehicle plate or the weigh identifying code.
- Storage of customer, material and vehicle database (over 5000 programmable storages) selectable or quick entry
- Managements of totals & reports
- Programmable printouts with graphic preview of created format and printouts with logos and barcodes.
- PC requirements - Windows XP professional SP2, Pentium 3 1GHz or greater, 256MB RAM, At least 30MB of free space on disk, display resolution of 800x600 (at least 65536 colours)

OF VIEW

hole on the platform surface, so it enjoys fine exterior. Therefore there will be no such phenomena of broken cover crews, low covers after long using and collapsed long size covers by grinding and pressing frequently with trucks, while all these things bodies with cover.



Application of Check plate for Slip protection (Optional)

limit bolts and installation screws of load cells are hot galvanized and the covers are tightened with stainless steel screws, so will not rust for long time using.



With main beams of U-SHAPE sections and enclosed construction by cold-bending and assemble welding the whole rigidity, anti- the part anti press stiffness of its platform plate are greatly strengthened.



U-shape beams

Shot Blasting

Epoxy Painting

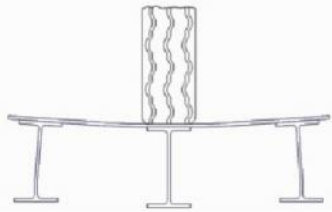
- Its Surface layer is especially finished: Firstly its scale body is strictly process with antirust and oxide layer dislodging, second surface is sprayed twice with the quality epoxy and rich zinc anti-trust paint then antirust paint layer is sprayed with orange ver polyurethane that is usually used in ship building industry. So the property of abrasion, anti- press, anti-aging and antirust is e
- The scale bodies are designed with module, standard and serial, so various size specifications can be formed in order to solve export cost and transportation trouble caused by the 3m or 3.5m wide scale-bodies
- The system consists of high precision, double shearing beam, bridge type or high precision column type load cells, with rich fr storage indicator can work with the storage battery when power is cut. It also has shield signal cable and a high accurate, low interference, strong surge-proof and excellent water-proof junction box.
- Efficiency of Container Load: Easy loading in Container, Multiple Loading & reduces the cost.



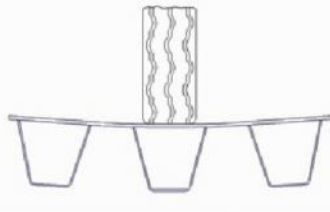
VERSUS U-BEAM

is concentrated at the load points when tyres come in the contact of truck scale. To reduce the impact at those load points, the designed to distribute as much of the load as possible to the beams adjacent to each load point.

is much better at distributing the load across the beams; it is much stronger and efficient. Please look in to the above pictures for tyre comes in contact with the top surface of truck scale. The bent is clearly visible in I-Beam design which in long term reduces scale while in the U-Beam structures load is evenly distributed to the all load points and it provides durability to the scale.

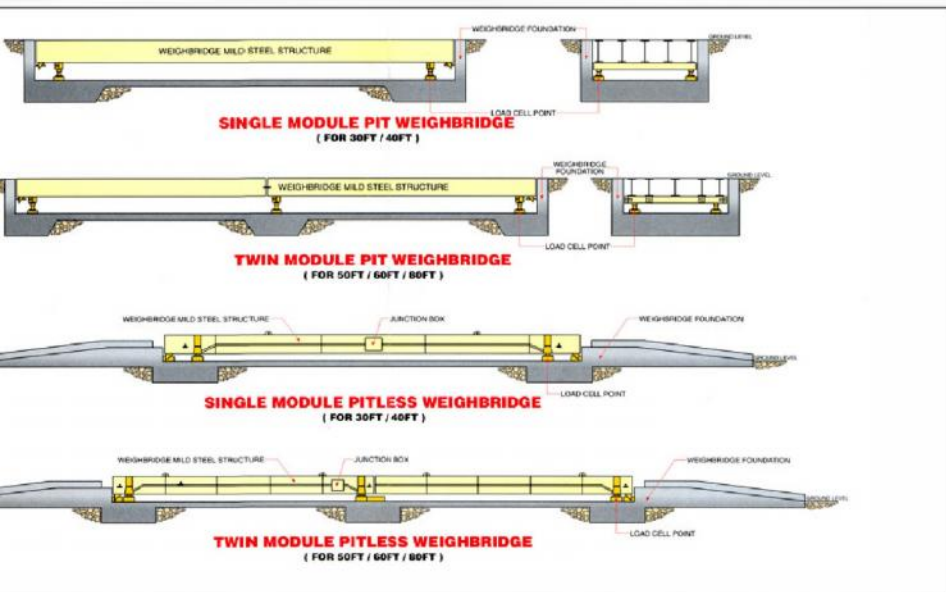


I-BEAM STRUCTURE



U-BEAM STRUCTURE

ion Structure (Choice between Pit Type & Pit less Type)



Foundation Structure (Choice between Pit Type & Pit less Type)

The scale can be installed in the ground (PIT TYPE) or on the ground (PIT LESS TYPE) according to the environmental conditions.



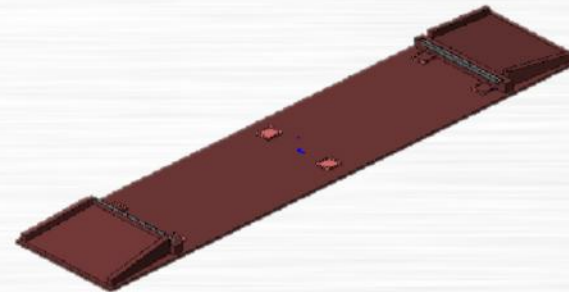
Pit less type



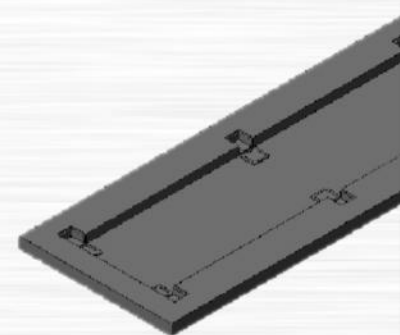
Pit type

Recommended PIT LESS TYPE:

Trucks are weighed after climbing from one slope to the platform and then come down from the other slope. The installed platform above the floor and it takes more space. But it is well ventilated and in addition the scale can be kept in good condition and easily



Pit less type



Pit type

EXTENDED WEIGHING TERMINAL (NEW GENERATION- WEIGHING WITHOUT OPERATOR)

weighbridge is new generation –weighing without operator 24 hours a day and 7 days a week. The system is user friendly and its operational by truck driver, without needing assistance from weighbridge operator. The system is completely reliable with its accuracy and also is designed (ordered) according to meet the specific requirements and customization of operations.



main PC



IP CAMERA



TRAFFIC LIGHT



ACT (Automatic Control Terminal)



PORTABLE AXEL WEIGHING SCALE

Road Vehicles Overload Detection Weighing System



Max Capability: Single axle 30 tons (Max 70 tons for customized)

Pad dimension: 700×430×30mm (Max 900×500mm for customized)

Precision: Static $\pm 0.1\%$, Dynamic $\pm 5\%$

Division: 10kg

Speed: $\leq 10\text{km/h}$

Working Temperature: $-45^{\circ}\text{C} \sim +70^{\circ}\text{C}$

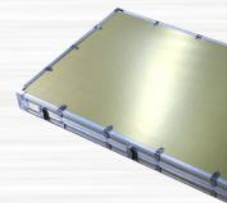
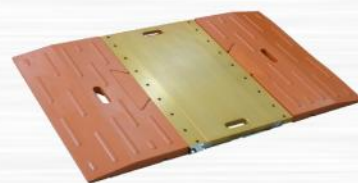
Loading weight: 28kg (single pads + aluminum alloy case)

Cable length: 10m

Optional: Golden pad or other color

Features:

Multiple seal protection, water proof, so that it could be working in rain. It is light weight and convenient to carry with high precision. It is with high intensity cable protection spring, which is acceptable for wheels to pass by. The handle is designed into hole which is stronger. The plug of cable is imported with high quality. The connector is designed to coattail type to avoid the disconnected with ramps. The pad is made of super high intensity aluminum alloy for aviation. The surface is deal by high quality military project oxidation. It is Wear-corrosion resistance. The signal feedback is with high frequency by unitary design.



M2 Indicator for Portable Road and Inspection System

the overload of the vehicle on the road in dynamic or static. It could weigh the dynamic vehicle in low precision or static vehicle in

0000

:-5°C~+50°C



the hand box in luxury outlook.
backlit dot matrix display
o-Dot-Matrix Printer
hours battery with auto switch off function

minate overload automatically
ection records for over than 1400
ion, speed compensation function in dynamic mode.
ere are three types for options: Police, Government and Committee

Overseas Network

ENDEL WEIGH SYSTEMS, L.L.C.

P.O. Box # 45588, Bur Dubai, Dubai, UAE
Ph.: + 971-4-3522077, Fax: + 971-4-3522088, Cell: + 971-50-7343742
E-mail: sales@dubaiweighing.com, Website: www.dubaiweighing.com

MIDDLE EAST BRANCHES

Oman

AL HINAI NATIONAL ENTERPRISES (ENDEL OMAN)

Al Khoud, Muscat, Oman
Tel.: + 968 - 96287711

EASTERN AFRICA BRANCHES

Kenya

ENDEL (KENYA) LIMITED

NAIROBI, KENYA

Tanzania

ENDEL (TANZANIA) LIMITED

Dar-es-salaam, Tanzania

Zambia

WE ARE ALSO PRESENT IN

Iran, Bahrain, Qatar, Turkmenistan, Jordan, Kuwait

OUR BUSINESS PARTNERS

CAS CORPORATION (KOREA)

CAS

VISHAY GROUP (UK)

VISHAY
PRECISION
GROUP

LEON ENGINEERING (GREECE)

Leon Engineering
INDUSTRIAL WEIGHING AND PROCESS AUTOMATION S.A.

RADWAG (POLAND)

RADWAG[®]

