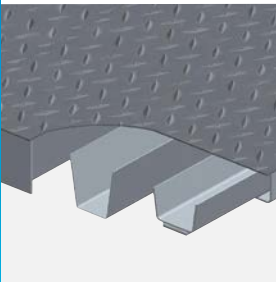


Orthotropic Steel Weighbridge with POWERCELL PDX Technology



POWERCELL Load Cells

POWERCELL PDX load cells deliver the ultimate in vehicle weighing with unequalled accuracy and reliability. They eliminate all junction boxes and are hermetically sealed for use in the toughest environments. The predictive diagnostics system monitors performance and reports on network health.



Orthotropic Design

Model VTS101 easily handles the forces generated by normal truck traffic, distributing concentrated loads more effectively than standard I-beam deck structures. The robust orthotropic design is similar to those used on the Golden Gate Bridge and many other heavily travelled highway bridges around the world.



Lightning Protection

The specially designed StrikeShield™ lightning protection system helps prevent costly downtime by using multiple levels of protection to safeguard your entire scale system: load cells, cables, and terminal. It is the only system that has been tested by third-party laboratories and withstood multiple lightning strikes.



Proven Performance

Using the "Module Masher" accelerated-life-cycle test stand, actual scale modules are tested for 1 million cycles with a minimum 60,000-lb dual-tandem-axle live load tire pattern. This is one way we go beyond the competition to ensure that you get the most reliable scale in the industry.



VTS101 Truck Scale

Model VTS101 is a steel-deck truck scale with POWERCELL® PDX® technology added as a standard feature. It consists of a steel deck supported by orthotropic ribs that are completely sealed from the elements by continuous, automated welds. By pressure testing every rib, we ensure an airtight seal that eliminates the potential for rusting from inside, unlike scale designs that sandwich beams between top and bottom plates using intermittent welds. The ribs are shaped to distribute concentrated loads better than I-beam designs, leading to a longer life for your scale. As a result, you get a weighbridge capable of handling legal over-the-road traffic throughout a long service life. By combining the strength of an orthotropic weighbridge with the reliability of POWERCELL load cells, this truck scale ensures that you will get years of trouble-free weighing even in the harshest environments.

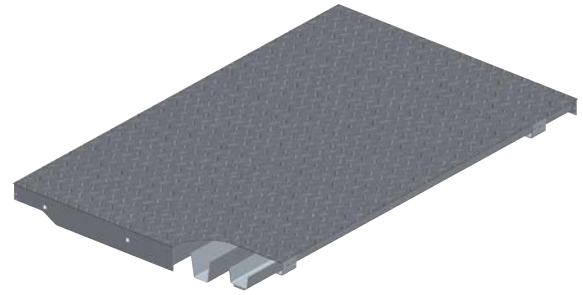
**This rugged and highly reliable truck scale
is backed by the industry's finest service
network and most powerful warranty**
5 Year Weighbridge
10 Year Load Cell System

METTLER TOLEDO

VTS101 Truck Scale

Modular Steel Deck Weighbridge

| Specifications | |
|---|---|
| Deck Plate Thickness | 5/16 in (8 mm) |
| Scale Widths | 9 ft-10 in, 11 ft (3, 3.3 m) |
| Scale Lengths | 10 to 140 ft (3 to 42.7 m) |
| Profile | 17 in (432 mm) |
| Module Lengths | 10 ft, 15 ft, 17 ft-6 in, 20 ft, 23 ft-4 in (3, 4.6, 5.3, 6.1, 7.1 m) |
| Usage | 50,000 trucks per year (average 200 trucks per day) |
| Capacity* | 90,000 lb (scale lengths ≤ 23 ft-4 in) 150,000 lb (scale lengths > 23 ft-4 in < 60 ft) 200,000 lb (scale lengths ≥ 60 ft) |
| Foundation Types | Variable Footer, Beam Slab, Deep Pit, or Temporary Frame |
| eMin | 20 lb (10 kg) |
| nMax | 10,000 divisions |
| NTEP Handbook 44 Tested: Concentrated Load Capacity | 80,000 lb (36,287 kg) |
| NTEP Certificate | 01-070A4 |



The orthotropic-rib design ensures that the VTS101 truck scale has no welds in high-stress areas. This greatly reduces fatigue at the welds, a common cause of premature failure in other scale designs.

Applications

For weighing over-the-road vehicles in a wide variety of above-ground and deep-pit applications, including:

- Solid Waste
- Ports
- Forest Products
- Bulk Foods
- Dairy
- Scrap Metals
- Utilities
- Chemicals
- Agriculture

*Note: 200,000 lb is the maximum gross capacity that any truck scale can have and still maintain 20-lb increments in legal-for-trade applications.

| Features | Benefits |
|------------------------------------|---|
| 50t POWERCELL® PDX® Load Cells | Stainless steel load cells provide highest accuracy and reliability (IP68/IP69K). |
| POWERCELL PDX Network | Eliminates junction boxes and monitors network health. |
| StrikeShield™ Lightning Protection | Protects your system from lightning damage. |
| International Intergard® Finish | Protects steel against corrosion even in the harshest environments. |
| Orthotropic Ribs | Safe, robust, and reliable design provides a long service life. |
| Steel Deck | Enables you to start weighing immediately after scale installation. |

Options:

- High-Clearance Risers
- Manholes
- Side Rails
- Dolly Landing Pads/Deck Runners
- DataBridge™ Vehicle Scale Software
- Unattended Driver Terminals
- Remote Displays
- Temporary Frame



Side Rails



Risers



Software



Remote Displays



Produced in a facility that is



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Subject to technical changes.
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www.mt.com/vehicle

For more information