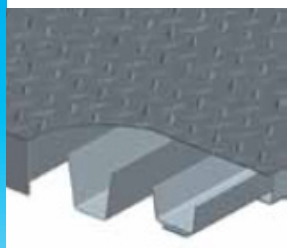
VTS100 Truck Scale

Standard Duty Steel Deck Truck Scale

Ideal for Moderate Traffic Applications

High Accuracy

POWERCELL® GDD load cells use digital signal processing to provide highly accurate vehicle weighing. Each load cell is equipped with a digital compensation system that maintains accuracy despite changing environmental conditions. Built-in diagnostics simplify troubleshooting.



Orthotropic Design

The VTS100 easily handles the forces generated by over-the-road truck traffic, distributing concentrated loads more effectively than ordinary I-beam deck structures. The robust orthotropic design is used on the golden Gate Bridge and many other heavily-travelled highway bridges around the world.

Proven Performance

Using our "Module Masher" accelerated-lifecycle test stand, actual weighbridge modules are tested for 1 million cycles with a minimum 80,000-lb dual-tandem-axle live load tire pattern. This is one way we go beyond the competition to ensure that you get the toughest scale in the industry.

Lightning Protection

The StrikeShield™ lightning protection system helps prevent costly downtime, safeguarding your entire scale system, from the load cells to the terminal. In the unlikely event of a failure due to lightning, these components are fully covered for parts, labor, travel and mileage for 5 years. It is the only system that has been tested by third-party labs to withstand multiple lightning strikes.

VTS100 Steel Deck Truck Scale

- Proven performance, affordable price
- Orthotropic support ribs sealed from the elements by automated, continuous welds eliminating internal corrosion
- Superior to scale designs that sandwich beams between top and bottom plates using intermittent welds
- Shaped ribs distribute concentrated loads better than I-beam designs, leading to a longer service life

This rugged and highly reliable truck scale is backed by the industry's finest service network and most powerful **10 year warranty**.

METTLER TOLEDO

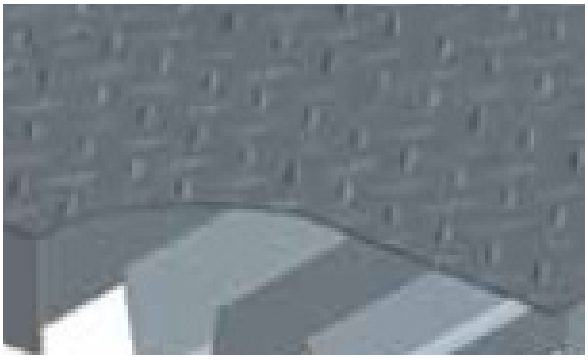
Technical data

VTS100 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

*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.



The orthotropic-rib design ensures that the VTS100 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

Features	Benefits
Orthotropic Ribs	Safe, robust, and reliable design provides a long service life.
International Intergard® Finish	Protects steel against corrosion even in the harshest environments.
30t POWERCELL® GDD® Load Cells	Digital technology provides accurate vehicle weighing.
Steel Deck	Enables weighing use to start 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

METTLER TOLEDO Group
Industrial Division
Local contact: www.mt.com/contacts

www.mt.com/vehicle

For more information