

Orthotropic Concrete Weighbridge

Quality, Dependability, and Value



Analog Load Cells

The 0782 analog load cell's rocker-column design automatically aligns load forces for accurate weighing, while eliminating the inherent maintenance and fatigue issues of dual-ended, shear-beam designs. The hermetically sealed stainless steel load cell is rated IP68 for use in all environments.



Orthotropic Design

Model VTC100 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.



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.



Options/Upgrades

Choose from a large selection of options and accessories that let you tailor a truck scale to fit your application. Whether you are adding an unattended terminal, manhole, side rails, wireless remote display, or other options, upgrading your scale is simple.



VTC100 Truck Scale

Model VTC100 is a concrete deck truck scale that delivers proven performance at an affordable price. It combines a concrete driving surface with a robust orthotropic understructure. The composite design draws upon the strengths of both concrete and steel to produce an exceptionally durable structure. It eliminates a common cause of premature deck failure: voids in the deck that occur when pouring concrete around I-beam flanges and sharp corners. As a result, you get a weighbridge capable of handling legal over-the-road traffic throughout a long service life.

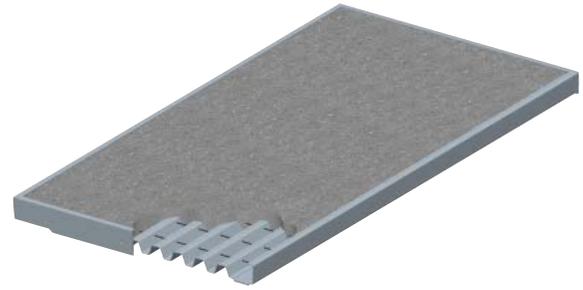
OUR SCALES ARE BACKED BY A 5 YEAR WARRANTY AND THE INDUSTRY'S FINEST SERVICE NETWORK

VTC100 Truck Scale

Modular Concrete Deck Weighbridge

| Specifications | |
|----------------------------|--|
| Concrete Thickness | 10 in (254 mm) |
| Scale Widths | 9 ft-10 in, 11 ft, 12 ft (3, 3.3, 3.7 m) |
| Scale Lengths | 10 to 140 ft (3 to 42.7 m) |
| Profile | 20 in (508 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) |
| Steel Type | ASTM A-36 |
| Capacity* | 120,000 lb (scale lengths ≤ 23 ft-4 in) 200,000 lb (scale lengths > 23 ft-4 in) |
| Foundation Types | Variable Footer, Beam Slab, or Deep Pit |
| eMin | 20 lb (10 kg) |
| nMax | 10,000 divisions |
| Concentrated Load Capacity | 80,000 lb (36,287 kg) |
| NTEP Certificate | 10-029 |

*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.



Each scale module is ready to fill with concrete when it arrives at the site. This reduces installation time and the expense of installing rebar or performing other deck preparation on site.

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
- Agriculture
- Aggregates
- Scrap Metals
- Utilities
- Chemicals
- Dairy

| Features | Benefits |
|---------------------------------|--|
| Orthotropic Structure | Exceptionally strong weighbridge meets highest performance requirements. |
| International Intergard® Finish | Protects steel against corrosion even in the harshest environments. |
| 30t Analog Load Cells | Stainless steel load cells provide reliable weighing. |
| Concrete Deck | Provides good traction when wet and improved resistance to certain corrosives. |

Options:

- High-Clearance Risers
- Manholes
- Side Rails
- Dolly Landing Pads/Deck Runners
- Blowdown Plates
- OverDrive® Vehicle Scale Software
- Unattended Driver Terminals
- Remote Displays



Side Rails



Risers



Software



Remote Displays



Produced in a facility that is



Mettler-Toledo, Inc.

1900 Polaris Parkway
Columbus, Ohio 43240
Tel. (800) 786-0038
(614) 438-4511
Fax (614) 438-4900

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110-TR03513.0E

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