

Proven Performance at an Economical Price



POWERCELL Accuracy

POWERCELL® PDX® load cells save you money by providing the most accurate vehicle weighing in the industry. A built-in microprocessor maintains accuracy by compensating for temperature changes and other environmental factors that cause weighing errors in conventional load cells.



High Reliability

POWERCELL® PDX® load cells reduce downtime and maintenance costs. Their unique network eliminates the junction boxes that are the biggest source of problems for most technologies. A predictive diagnostics system monitors load-cell performance and verifies the network's health.



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 withstood multiple lightning strikes in tests by third-party laboratories.



Concrete Deck

The model 7531 truck scale is constructed of steel I-beams that are bolted together in the field. This strong framework supports a reinforced concrete deck that provides a driving surface capable of handling all over-the-road trucks.



7531 Truck Scale

Model 7531 combines an economical weighbridge design with the proven accuracy and reliability of POWERCELL® PDX® load cells. The result is a high-value solution for weighing over-the-road trucks. Designed for above-ground installation, the scale has a thick concrete deck supported by heavy-duty steel I-beams. The structure's main I-beams form integral side rails that help guide trucks onto the scale safely. This versatile truck scale is available in custom lengths and designs, including grain-dump options and multiple-platform configurations for determining axle weights.

7531 Truck Scale

I-Beam Concrete Deck Weighbridge

Specifications	
Concrete Thickness	8 in (203 mm)
Scale Widths	10, 11, 12, 14 ft (3, 3.3, 3.7, 4.3 m)
Scale Lengths	10 to 120 ft (3 to 36.6 m)
Profile	19.5 in (495 mm), 1/4-inch shims nominal
Module Lengths	10, 12, 20, 25 ft (3, 3.7, 6.1, 7.6 m)
Main Beams	W21 x 50 lb/ft
Cross Beams	W8 x 24 lb/ft
Number of Cross Beams	Four for 25-ft modules (7.6 m) Three for 20-ft modules (6.1 m)
Concrete per Module 11-foot-wide Modules	20-ft module: 5.5 cubic yards 25-ft module: 8.5 cubic yards
Rebar per Module 11-foot-wide Modules	20-ft module: 840 lb 25-ft module: 1,140 lb
Corrugated per Module 11-foot-wide Modules	20-ft module: 230 square feet 25-ft module: 288 square feet
Usage	50,000 trucks per year (average 200 trucks per day)
Capacity*	70,000 lb (scale lengths ≤ 25 ft) 120,000 lb (scale lengths > 25 ft, < 55 ft) 200,000 lb (scale lengths ≥ 55 ft)
Foundation Types	Variable Footer, Beam Slab
eMin	20 lb (10 kg)
nMax	10,000 divisions
NTEP Handbook 44 Tested: Concentrated Load Capacity	60,000 lb (27,215 kg)
NTEP Certificate	92-204A3

*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).
StrikeShield™ Lightning Protection	Protects your system from lightning damage.
International Intergard® Finish	Protects steel against corrosion even in the harshest environments.
Knocked-Down Design	Easy to ship in a standard 40-foot shipping container.



Scale Terminals



Remote Displays



Software



Unattended Terminals

Options

- Scale Terminals
- Remote Displays
- DataBridge™ Vehicle Scale Software
- Unattended Driver Terminals
- Grain Dump
- Multiple-Platform Configurations
- Galvanizing
- Custom Lengths

Applications

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

- Agriculture
- Bulk Foods
- Livestock
- Warehouses
- Scrap Metals
- Utilities
- Landfills
- Chemicals



Produced in a facility that is



Mettler-Toledo, LLC

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

Subject to technical changes.
© 2017 Mettler-Toledo, LLC
03/2017
30138610

www.mt.com/vehicle

For more information