

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.



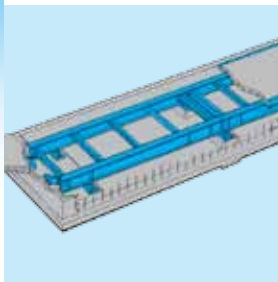
High Reliability

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 7541 truck scale is constructed of steel I-beams that are welded together. This strong framework supports a reinforced concrete deck that provides a driving surface capable of handling all over-the-road trucks.



7541 Truck Scale

Model 7541 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 to be installed in a pit, the scale is ideal for sites where space or overhead clearance is limited. Because the concrete deck is flush with the surrounding pavement, no ramps are required. Manholes allow easy access to the pit for service. This versatile truck scale is available in custom lengths and designs, including grain-dump options and multiple-platform configurations for determining axle weights.

7541 Truck Scale

I-Beam Concrete Deck Weighbridge

Specifications	
Concrete Thickness	6 in (152 mm)
Scale Widths	10, 11 ft (3, 3.3 m)
Scale Lengths	10 to 120 ft (3 to 36.6 m)
Profile	38 in (965 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	W12 x 19 lb/ft, C6 x 8.2 lb/ft
Number of Cross Beams	Five for 25-ft modules (7.6 m) Four for 20-ft modules (6.1 m)
Concrete per Module	20-ft module: 4 cubic yards 25-ft module: 5 cubic yards
Rebar per Module	20-ft module: 635 lb 25-ft module: 800 lb
Corrugated per Module	20-ft module: 200 square feet 25-ft module: 250 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, < 60 ft) 200,000 lb (scale lengths ≥ 60 ft)
Foundation Types	Deep Pit
eMin	20 lb (10 kg)
nMax	10,000 divisions
NTEP Handbook 44 Tested: Concentrated Load Capacity	60,000 lb (27,215 kg)
NTEP Certificate	90-046A5

*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.



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 and Widths

Applications

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

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



Produced in a facility that is



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Subject to technical changes.
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