

Proven Performance for High-Volume Applications



POWERCELL Accuracy

POWERCELL® PDX® load cells provide the highest-accuracy 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.



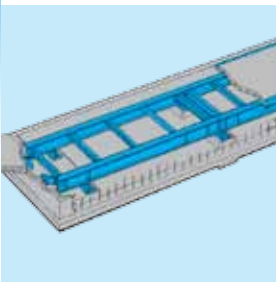
High Reliability

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 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 high volumes of over-the-road trucks.



7541 State Scale

Model 7541 combines a high-strength weighbridge design with the proven accuracy and reliability of POWERCELL® PDX® load cells. The result is an exceptionally durable truck scale for weigh stations and other applications that handle high volumes of traffic. The scale is designed to be installed in a pit so that its 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 widths, as well as multiple-platform configurations for determining axle weights.

7541 State Scale

I-Beam Concrete Deck Weighbridge

Specifications	
Concrete Thickness	10, 12 in (254, 305 mm)
Scale Widths	10, 11, 12 ft (3, 3.3, 3.7 m)
Scale Lengths	10 to 120 ft (3 to 36.6 m)
Profile	45.25 in (1,150 mm), 1/4-inch shims nominal
Module Lengths	10, 12, 20, 22, 24, 25 ft (3, 3.7, 6.1, 6.7, 7.3, 7.6 m)
Main Beams	W24 x 68 lb/ft
Cross Beams	W12 x 35 lb/ft
Concrete per Module	See General Layout Drawing
Rebar per Module	See General Layout Drawing
Usage	Built to handle 1,000 trucks per day or more
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
Dual-Tandem-Axle Rating	70,000 lb (31,751 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
- Vehicle Scale Software
- Unattended Driver Terminals
- Multiple-Platform Configurations
- Galvanizing
- Custom Lengths and Widths
- Weigh-in-Motion Integration

Applications

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

- Weight Enforcement
- 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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03/2017
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