

Vehicle Scales



Railroad Track Scales

Static Weighing

Coupled In-Motion Weighing

Combination Truck/Rail

Heavy-Duty Railroad Scales

Performance You Can Count On

METTLER TOLEDO

The Right Railroad Track Scale to Handle Any Application

- Static scales for weighing individual rail cars
- Coupled in-motion scales for weighing rail cars in moving trains
- Combination scales for weighing both trucks and rail cars

Static Weighing

A static railroad track scale is used to weigh an uncoupled rail car that is stopped on the scale. A typical installation has two sections of live rail that are spaced to weigh rail cars of various lengths. The robust I-beam construction and POWERCELL® load cell technology provide safe, accurate, and reliable weighing.



Coupled In-Motion Weighing

A coupled in-motion (CIM) railroad track scale is used to weigh rail cars that are coupled together and moving across the scale at speeds of 3 to 5 miles per hour. An in-motion scale makes weighing quicker and safer by eliminating the need to uncouple each rail car and position it on a static scale.

Combination Truck and Rail Weighing

This double-duty weighbridge combines a platform for weighing trucks with a static railroad track scale. By doing the work of two scales, it saves money on initial equipment cost and ongoing maintenance costs. The rails are recessed in the platform, providing an even surface that trucks can drive across safely and easily.



Robust Construction

METTLER TOLEDO weighbridges are tough enough to handle the massive loads applied by rail traffic. Heavy-duty main I-beams are positioned to support the full weight placed on the rails. Because the strongest components carry the load, our weighbridges are built to outlast competitive designs that direct stress to weaker cross members.



Deck Options

- Concrete deck features built-in manholes that allow easy access to load cell network.
- Steel deck reduces installation time and allows easy access to load cell network.



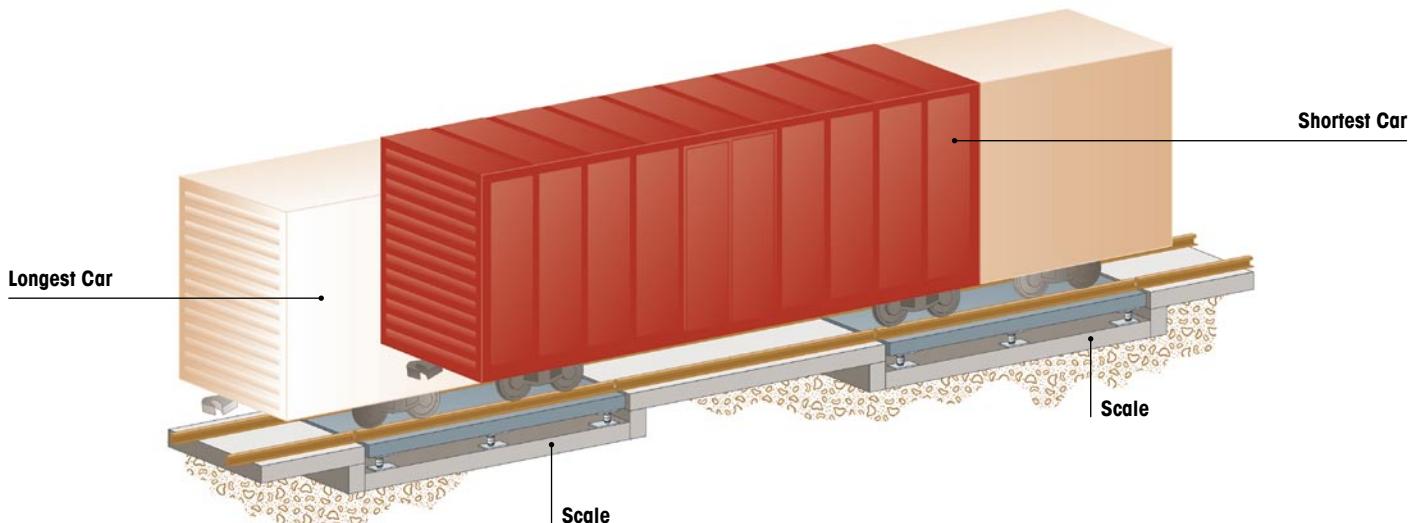
Single-Draft Weighing

A typical static scale is designed for single-draft weighing, which captures the weight of an entire rail car in one operation. Compared with multi-draft weighing, it provides significant operating benefits:

- Lower Handling Costs
- Faster Weighing
- Higher Accuracy

Instead of a full-length scale, most installations use two scales in tandem. In this economical arrangement, the two scales are spaced to accommodate the wheels of the longest and shortest rail cars. The scale terminal sums the two weights to provide an accurate weight for the entire rail car.

Single-draft weighing is ideal for legal-for-trade applications and operations that involve loading or unloading on the scale.

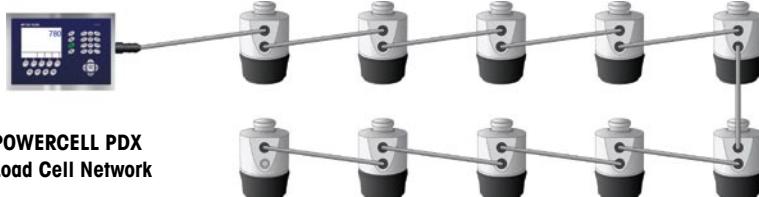


Single-Draft Weighing

The weights from the two scales are summed by the scale terminal to display the total weight.

The Ultimate in Accuracy and Reliability

Protect your profits with the ultimate weighing technology. METTLER TOLEDO railroad track scales use POWERCELL® PDX® load cell technology to provide the world's most accurate and reliable vehicle weighing.



No Junction Boxes

POWERCELL PDX load cells connect to one another in a simple network that eliminates the need for high-maintenance junction boxes. Load cells, cables, and connectors are watertight, sealing the entire network against damaging moisture.

Predictive Diagnostics

A built-in predictive diagnostics system monitors each load cell's performance to assure you that your scale is weighing accurately. The system instantly alerts the scale operator about potential problems to help prevent unscheduled downtime.

Lightning Protection

The StrikeShield™ lightning protection system helps prevent costly downtime by safeguarding your entire scale system: load cells, cables, and terminal.



Third-party laboratory tests have proven the network's ability to withstand multiple lightning strikes.

www.mt.com/vehicle

For more information

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facility that is

