

Rail Scales 101

The Basics



Lunch and Learn

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Lunch and Learn

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This one-hour course can be taken individually or as part of an ongoing continuing education program for your organization. Each course includes 45 minutes of instruction followed by 10-15 minutes for Q&A.

All attendees receive a certificate of completion to credit their continuing education hours.



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Truck Scales 101 – The Basics



Scale Type, Configuration, and Location

Selecting the type, construction, and location of a rail scale depends on factors like site layout, whether cars will be coupled, daily weighing volume, and other considerations.



Rail Scale Requirements

Load cells are key to vehicle weighing systems. Choosing analog, digital, or smart load cells greatly impacts performance, accuracy, and lifespan.



Ongoing Service and Maintenance

Proper installation, service, calibration, and maintenance are essential to keep your truck scales running efficiently and accurately throughout their lifecycle.

Course Overview

Understand the fundamentals of rail scales, including design, specification, ways to boost operational efficiency, and how specified equipment affects operations. Topics cover static vs. weigh-in-motion (WIM), concrete vs. steel construction, and other considerations for rail weighing projects.

Attendees of this course will learn the difference between static and in-motion weighing, installation requirements, and how ongoing service and maintenance contribute to sustained performance.

Topics include:

- Rail scale configurations
- Rail scale technology and components
- Coupled-in-motion weighing
- Key considerations in rail scale system design
- Common rail scale applications and installations