

# Railcar and Truck Loadout System

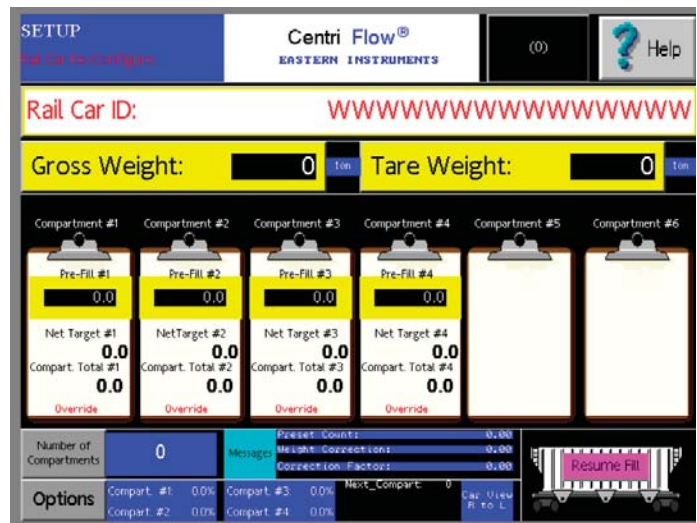


## Precise Loadout

The Railcar and Truck Loadout System from Eastern Instruments ensures extremely accurate weighing accuracy, and state of the art fill accuracy for simple and dependable loadout. The system includes a CentriFlow in-line flow measurement system as well as filling software with programmable Auto Sequencer that retains filling sequences for multiple compartments and ensures seamless and consistent compartment filling every time.

### KEY FEATURES AND BENEFITS

- **Simple Installation:** Typical installations require only 3 feet of vertical height and can be set up within a single day.
- **Two Types of Operation:** Manual Mode allows for customized control of individual fill cycles, while Automatic Mode allows for automatic sequencing of complex, multi-compartment fills.
- **Versatility:** Can be used to fill trucks or railcars with nearly any product being transported via gravity, including pellets, powders, grains and more.
- **Adaptability:** The unique fill algorithm that determines when to shut off the feed of product into the railcar/truck, works independently of flow rate and will react dynamically to changes in flow rate, even when flow rate changes during the fill.
- **Extreme Accuracy:** The fill accuracy of the Railcar and Truck Loadout System can be as accurate as +/-0.25%.
- **Universal Design:** The Railcar and Truck Loadout System is universal in design and can be used for nearly any setup where trucks or railcars are filled.





# Typical Loadout System



- **Auto Sequencer that retains filling sequences for multi-compartment railcars**
- **CentriFlow In-Line Flow Measurement System for accurate filling**
- **Color Touchscreen Interface with Loadout Software**

Eastern Instruments' Railcar Loadout system is designed to integrate into your existing loadout process. The CentriFlow Mass Flow Meter will mount directly after your existing shut off device, such as a slide gate, screw conveyor or rotary valve. A total fill for each compartment will be entered into the CentriFlow Meter's electronics via the Loadout System's setup page. Automatic mode allows you to set up the entire rail car at once, while manual mode allows you to set up each compartment independently. The flow meter will measure the flow rate and total of product entering the railcar. When the total approaches the total fill for the compartment, the Loadout System will signal your PLC to stop flow.