Your Automated Equipment Identification (AEI) Systems Solutions Provider

Overview:

Rail Scale™ is a software system for use in managing information related to the weighing of rail equipment. It eliminates paper records and error-prone manual data entry, and speeds the weighing process. The system utilizes an AEI reader to automatically capture car number. It can link to a variety of scale controllers to capture scale weight. The system interfaces to UMLER or a locally-available database to obtain tare weight for calculating net, and max gross weight to identify overloads.
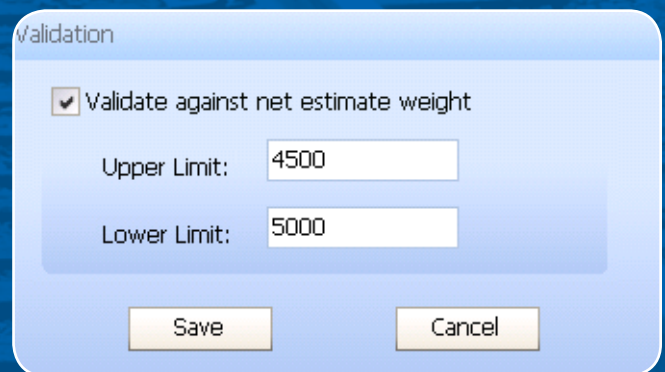
Rail Scale™ provides simple instructions to the scale operator and can be configured to provide special instructions for exception handling. Output can be provided in several formats and can be configured to send weigh data directly to serving railroads or to common or proprietary customer systems.

There are four modules within Rail Scale™:
- Reader Controller: configurable to work with all available AEI readers on the market.
- Scale Controller: configurable to work with all available railcar scales on the market.
- Weigh Service Library: configurable services to obtain tare weight, estimated weight, max gross weight, or update railcar weight back to customer's database.
- Scale Windows Application: This is the User Interface to operate the Rail Scale™ system.

Benefits:

- Ensures accuracy and eliminates data entry errors:
  - Automatically capture car number as cars are being weighed.
  - Electronically record weight from scale controller.
  - Automatic calculation of net weight.
- Perform various validation, including:
  - Validation against available estimated weight.
  - Validation against available maximum allowable gross weight.

Benefits: (cont'd)

- Flexible system configuration to allow communication with various data sources to obtain external data.
- User-defined tolerance levels for validating scale weight against estimated weight.
- User-defined instructions are presented to scale operator if validation tolerances are exceeded. Real-time function allows immediate re-weigh and eliminates need for additional switching back to scale for weight verification.
- System permits manual entries when needed, but also allows administrator to differentiate between manual and automated entries.
- Interface with in-house or 3rd party database to obtain tare weight automatically.
- Interface with UMLER, and other industry standard railcar databases.
- Capability to interface with railroad to send car number and weight.
- Historical weight reports for a defined period or for a specific railcar are included.
- When multiple weights are recorded for the same car, system includes logic to select the preferred weight based on client-specified criteria.

Key Features:

- Interface with any new or existing scale controllers.
- User customizable options for weight validation.
- Standalone application with built-in database, avoiding corporate IT infrastructure costs.
- Option to send weight data to external sources via web services.
- Option to integrate weight data with Rail Manager® or customer's existing ERP or inventory system.

RAIL SCALE

Weight Options Admin Help

Car number:	EISX104390	☐ Override car number
Batch number:	C090813K03	☐ Override batch number
Grade:	H044-012	☐ Override grade
Est net weight:	195500	
Gross weight:	261350	☐ Override gross weight
Tare weight:	65540	☐ Override tare weight
Net weight:	195810	
Comments:		

Get Weight   Save   Reset

Car Number	Batch Number	Gross Weight	Tare Weight	Net Weight	Weighed By	Date
EIS003255	C090813P02	266850	67800	199050	mxo70299	08/27/2009 08:23
EIS001200	C090812P04	259300	67700	191600	mxo70299	08/27/2009 08:22
EIS001323	C090813P01	258400	66500	191900	mxo70299	08/27/2009 08:20
EIS002353	C090812L04	252000	65000	187000	mxo70299	08/27/2009 08:18
EIS001160	C090813L01	252050	67300	184750	mxo70299	08/27/2009 08:16
EIS003356	C090813R01	226800	68100	158700	mxo70299	08/27/2009 08:15
EIS004404	C090813H01	261100	66400	194700	mxo70299	08/27/2009 08:14
EIS108006	C090812M06	261950	66000	195950	mxo70299	08/27/2009 08:11
EIS108006	C090812M06	262050	66000	196050	mxo70299	08/27/2009 08:10
EIS108006	C090812M06	262300	66000	196300	mxo70299	08/27/2009 08:08
EIS104336	C090813M01	259800	67400	192400	mxo70299	08/27/2009 08:06
EIS620695	C090813M02	259000	66200	192800	mxo70299	08/27/2009 08:05
EIS003030	C090812K04	261050	67800	193250	mxo70299	08/27/2009 08:03
EIS004081	C090813K01	264350	66900	197450	mxo70299	08/27/2009 08:02
EIS004863	C090813K02	258700	66300	192400	mxo70299	08/27/2009 08:00

Status: Ready   Site Admin BMC/admin