



**RICE LAKE**<sup>®</sup>  
WEIGHING SYSTEMS

To be the best by every measure<sup>®</sup>

# Weighing Solutions for the Energy Industry

800-472-6703  
[www.ricelake.com](http://www.ricelake.com)

# Weighing Solutions for the Energy Industry

## **SURVIVOR® Truck Scales**

SURVIVOR® truck scales are designed and built for maximum durability and accuracy—two factors that have significant impact on any operation's bottom line. Every model has earned NTEP certification (up to 16 feet wide on most models). SURVIVOR's superior weighbridge design is certified from 70,000 lb up to 140,000 lb Concentrated Load Capacity (CLC) depending on model. Standard SURVIVOR truck scales are designed to support weighing 250 trucks per day for 25 years without weighbridge failure—all backed by a five-year warranty. Higher volumes can also be accommodated.

## **920i® Indicator/Controller**

The 920i programmable HMI Indicator/Controller takes charge of process applications and provides open connectivity to the most popular networking interfaces. One 920i indicator is capable of handling multiple scales, flow, temperature and pulse; and easily stores, recalls and reports data. Whether customized for a specific process or weighing vehicles, the large graphic weight display with programmable soft keys enables users to navigate easily through all applications. The 920i is available in a universal mount with tilt stand, panel mount or wall mount.



**RICE LAKE**  
**SURVIVOR**  
TOUGHEST TRUCK SCALES ON EARTH™



## LaserLight® Remote Displays

Super-bright LED display and a non-glare filtered lens make the SURVIVOR® LaserLight Remote Display and M Series Remote Messaging Display clearly visible. Increase truck throughput with the LaserLight Stop and Go model.



## Belt Scales

Extreme durability enables our belt scale to move more bulk material with refined accuracy. The entire line easily handles capacities up to 10,000 tons per hour delivering real-time statistical data through a variety of wired, fiber optic and wireless network options. Our expanded networking capabilities enable the integrator to communicate with printers, PCs, remote displays, PLCs and other peripheral equipment.



## Automated Ticketing Kiosks

Improving more than just speed and accuracy, automatic ticketing kiosks offer state-of-the-art features like RFID, vehicle recognition and durable weatherproof enclosure. With a host of optional accessories like traffic lights, remote displays and RFID tools, Rice Lake will customize the best solution for your application—optimizing traffic flow, accuracy and safety.

## iQUBE<sup>2</sup> Digital Diagnostic Junction Box

Monitoring load cell health, iQUBE<sup>2</sup> has the unique ability to digitally monitor and communicate load cell performance at all times, and compensate for a failing load cell until repairs can be made. iQUBE<sup>2</sup> provides unparalleled speed and communication and is exceptionally resistant to electrostatic discharge and transient damage from lightning. Using open protocol, it can be interfaced to almost any serial host, VIRTUi<sup>2</sup> PC application or the programmable 920i HMI Indicator/Controller.





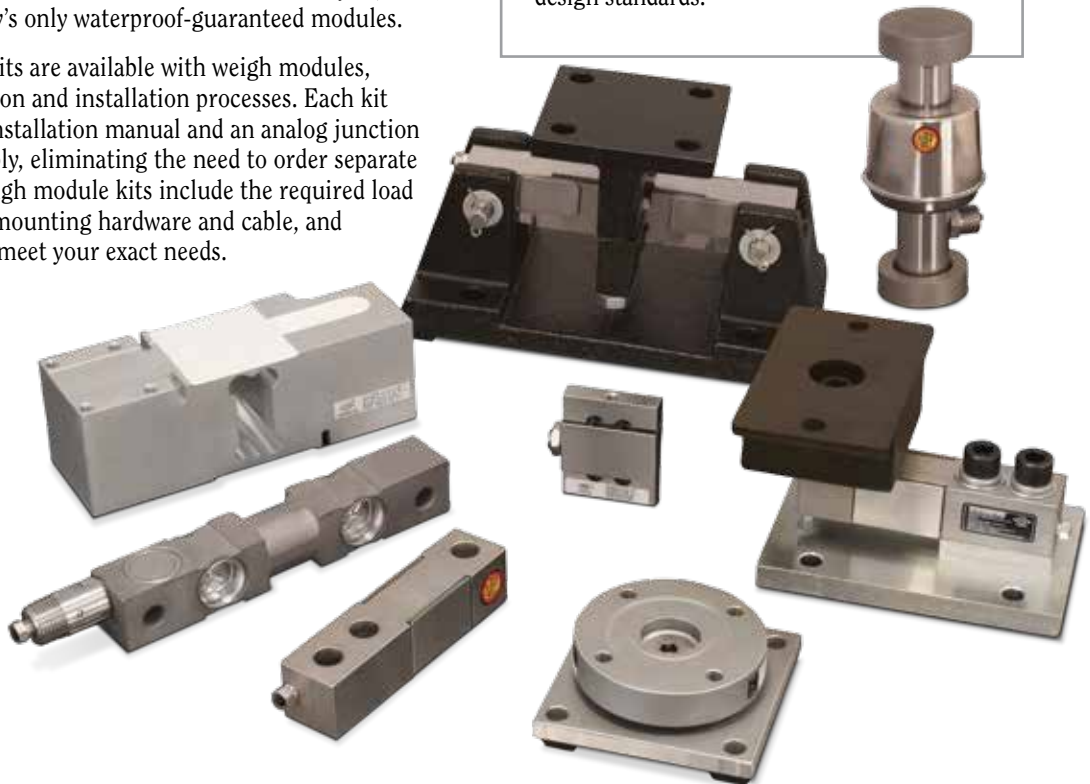
## Onboard Weighing

Get control over product weight, flow and inventory right from your truck or trailer. Our onboard scale systems install directly on conventional truck and tank frames for real-time weight measurement. In uses such as fracking, specialized high-accuracy systems will precisely monitor proppant volume and flow, while communicating inventory and other data to a control facility. With our standard-accuracy systems, payloads are maximized and overloads eliminated for trucks hauling water, sand, or mud. Whether selecting Rice Lake's Legal for Trade, NTEP-approved TradeRoute® system or one of our standard accuracy LoadRunner™ models, choosing a Rice Lake onboard system guarantees a quick return on your investment, and the best product support in the industry.

## Load Cells and Weigh Modules

Our comprehensive line of weigh modules comes with selection and speedy delivery. We offer over 20 different mount styles, including the industry's only waterproof-guaranteed modules.

Complete mounting kits are available with weigh modules, simplifying the selection and installation processes. Each kit comes with detailed installation manual and an analog junction box with cable assembly, eliminating the need to order separate parts. All standard weigh module kits include the required load cell(s), junction box, mounting hardware and cable, and can be customized to meet your exact needs.



## MSI-7300 Dynamometer

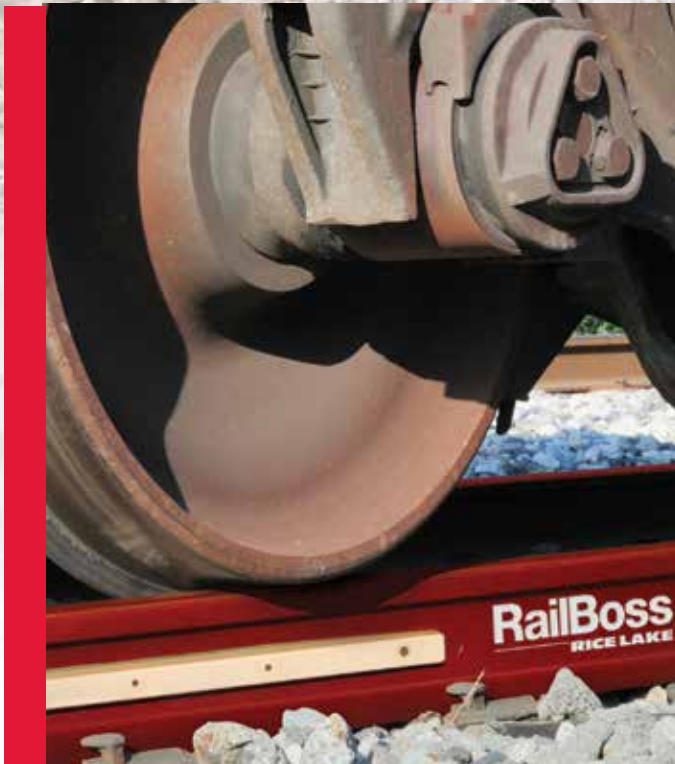
As the industry's most advanced digital tension dynamometer, MSI's 7300 offers a lightweight, portable design for better handling and superior viewing with its large LCD display. Choose from capacities ranging from 0.5 to 250 tons for use in most environments. With the highest safety standard in the industry, the MSI-7300 meets or exceeds OSHA, ANSI, ASME and applicable safety design standards.



# Railroad Scales

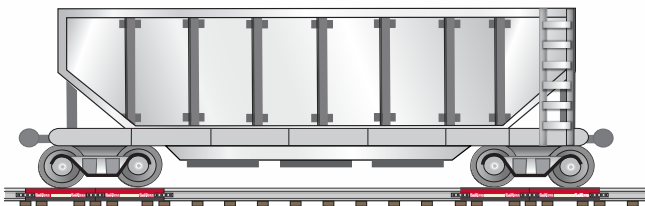
BOSS  
RICE LAKE

RailBoss



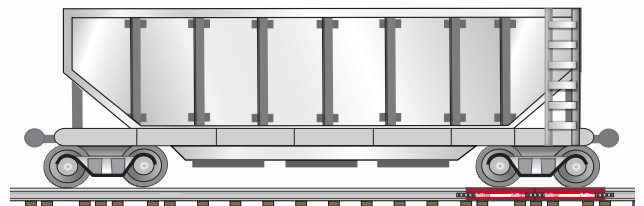
## RailBoss™

The economical and space-saving RailBoss railroad scale usually takes less than eight hours to install and is less than one-third the cost of other rail scales. The RailBoss system is a series of 5'10" rail sections specially fitted with strain gauges to accurately measure the total gross weight of your rail cars. Each section of rail is an individual weighbridge for a single wheel. The system provides total car weight plus weight readings for individual rail trucks. RailBoss can be installed as either a full-draft or double-draft system.



## Full-draft RailBoss

The full-draft system, consisting of eight RailBoss sections, can weigh an entire rail car in a single draft.



## Double-draft RailBoss

The double-draft system uses four RailBoss sections and weighs each end of the car separately—the right choice for operations weighing a wide range of rail car sizes.



## SURVIVOR® Rail Scales

Legal for Trade SURVIVOR railroad track scales use Rice Lake's best-in-class weighbridge design to create a rugged, accurate heavy-duty weighing system. Available in SURVIVOR RT pit-type and SURVIVOR PL modular models, SURVIVOR railroad track scales are designed for decades of accurate static weighing. The SURVIVOR RT is a pit-type, rail/truck combination scale that can weigh rail cars or highway motor vehicles positioned anywhere on the scale and is available in a wide range of platform sizes and capacities. Teamed with Rice Lake's 920i indicator and iQUBE<sup>2</sup> junction box, automatic load processing can also be accomplished while protecting the system from transient spikes in voltage. The 920i can also interface with existing PLCs to provide the ultimate in automation.

## Pressure Instrumentation

Use Condec's Source 3000 pneumatic pressure source, Condec 3030 handheld pressure temperature calibrator and Condec DPDG digital pressure dial gauge for the most precise pressure measurement in the industry. When teamed together, these NIST traceable, versatile instruments offer turnkey calibration solutions. Pair the quick and accurate Source 3000 and the rugged, fully mobile Condec 3030 for pressure calibration anywhere. For a simple pressure calibrator, use the straightforward Condec DPDG in tangent with the Source 3000 for intuitive, fast operation anywhere in the world. Visit [www.4condec.com](http://www.4condec.com) for more information.



Your Rice Lake Weighing Systems distributor is:

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230 W. Coleman St. • Rice Lake, WI 54868 • USA  
TEL: 715-234-9171 • FAX: 715-234-6967 • [www.ricelake.com](http://www.ricelake.com)

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