



## Add an iQUBE<sup>2</sup> to your application

The optional iQUBE<sup>2</sup> digital diagnostic junction box has the unique ability to digitally monitor and communicate load cell performance, and will compensate for a failing load cell until repairs can be made. iQUBE<sup>2</sup> provides unparalleled speed and communication and is far more resistant to electrostatic discharge and transient damage from lightning strikes than any traditional junction box.

03/03/2011 02:33PM Scale #1	
Diagnostics	
NAME	DEADLOAD CURRENT
A1-Load Cell 1	0.376 0.386
A2-Load Cell 2	0.284 0.338
A3-Load Cell 3	* ERROR * 0.266 0.507
A4-Load Cell 4	* ERROR * 0.262 0.594
System 1	2004.656
4 weighments over 1000 grads	
Cell Balance Error	
Previous	Millivolts Done Next MORE ⇨

When paired with Rice Lake's 920i<sup>®</sup> digital indicator, diagnostics are taken a step further. The display of the 920i will prompt when a potential problem is detected and even e-mail the findings to your service provider.

- iQUBE<sup>2</sup> is a legal-for-trade indicator without a display. It can be interfaced to almost any serial host using open protocol.
- With iQUBE<sup>2</sup> each load cell operates independently, improving signal to noise ratio and making diagnostic functions available.
- The iQUBE<sup>2</sup> emulator function is based on a comparison to other functional load cells allowing the scale to remain functional until a repair can be made.
- The iQUBE<sup>2</sup>, when used with a diagnostic screen, displays and tracks cell performance, weight, dead load and current values for each load cell and sends email alerts. The system diagnostic checks A/D, excitation, communication and load cell bridges and assess weighing performance with tunable diagnostics for return to zero, drift, noise and linearity.
- Each iQUBE<sup>2</sup> board has diagnostic LEDs for displaying load cell health, communication port activity, processor heartbeat, and digital I/O functionality. The boards can be run with a DC power source (7.5 – 12 VDC), or with an AC power supply that mounts in the enclosure.

## SURVIVOR<sup>®</sup> SR SERIES

Complete your scale with the highest quality accessories. The toughest scales on Earth deserve the best...

- HMI Digital Weight Indicators** We offer a complete line of weight indicators, including models that can store up to 1,000 truck ID numbers and truck tares. They're available in standard or NEMA stainless steel enclosures.
- iQUBE<sup>2</sup> Intelligent Junction Box** Featuring the latest analog to digital technology for continuous scale monitoring and advanced diagnostics, iQUBE<sup>2</sup> provides a value-added solution for multi-cell scale systems. A single-point ground system and fiber optic connections ensure the instrumentation is isolated from transient spikes in voltage.
- Ticket and Continuous Fanfold Printers** Our high-speed, high-quality printers include performance features like 180 characters-per-second printing and double-strike power to handle up to five-part multi-copy forms.
- OnTrak<sup>™</sup> Data Management Software** OnTrak is easy to use and network capable with full reporting, accounting, and invoicing features that connect your scale to your office computer and accounting system.
- Automated Ticketing Kiosk** Rice Lake has developed the Automated Ticketing Suite kiosk system for truck identification, load assignment and weighing, and ticketing for concrete, aggregate and asphalt plant operations. With this new system, plant managers can optimize the flow of trucks and materials and increase efficiencies throughout their entire operation.
- Remote Displays** Featuring a super-bright LED display and a non-glare filtered lens, the SURVIVOR<sup>®</sup> LaserLight<sup>™</sup> remote display and M-Series messaging remote display is clearly visible—even in direct sunlight. The unique IntelliBright<sup>™</sup> feature uses a photo sensor to read ambient light to automatically adjust the display's intensity between day and night settings to optimize power usage. Increase truck throughput with the new 4" LaserLight with stop and go lights. The 4" and 6" LaserLight and 8 and 12-character M-Series models are available with visors.
- Traffic Signals** Rice Lake traffic signals have been tested to more than 80 MPH wind conditions on a single-point attachment. Corrosion-resistant PVC coatings and stainless steel hardware make the unit fully resistant to weathering.



### Inquire about our full line of vehicle scales tailored to your specific application needs.



**SURVIVOR<sup>®</sup> OTR**  
Top access, low profile concrete or steel deck scales



**SURVIVOR<sup>®</sup> PT**  
Pit-type concrete or steel deck scales



**SURVIVOR<sup>®</sup> ATV**  
Heavy- and super-duty top access or siderail

### Custom Designs Available

We manufacture and stock a wide selection of scales in the most popular sizes and capacities. We also specialize in custom solutions including unique dimensions and profiles, existing pit and foundation matching, extreme weight capacities, dump through modules, and more.

Call us at **800-472-6703** to discuss your requirements with a member of our Heavy Capacity Sales Group and to locate an authorized distributor in your region.

Visit us at [www.ricelake.com/truckscales](http://www.ricelake.com/truckscales) for complete specifications and to see the entire Rice Lake Weighing Systems vehicle scale line.

Your Rice Lake Weighing Systems distributor is:



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

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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Specifications subject to change without notice

# SURVIVOR<sup>®</sup>

## SR SERIES

LOW PROFILE SIDERAIL  
TRUCK SCALES



**TOUGHEST  
TRUCK SCALES  
ON EARTH.**



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

800-472-6703  
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## The toughest truck scale made

### In this business, overbuilt is built right

Truck scales endure a tremendous amount of repetitive abuse. In most scale designs, too much vertical movement (or deflection) is allowed as force is applied and removed from the deck. Over time, cumulative metal fatigue occurs, causing expensive downtime, repairs and eventual complete failure. The most visible sign of excessive deflection is deck cracking and deformation of steel components. But even more critical to scale performance and longevity is the wear and tear on structural elements and moving parts.

SURVIVOR<sup>®</sup>SR truck scales are designed to accommodate a minimum of 250 truck per day for 25 years without weighbridge fatigue. This is equivalent to over two million weighments.



### SURVIVOR<sup>®</sup> truck scales The ultimate in durability

- Incredibly low deflection factor - under 1:3100 tested
- 90,000 lb capacity load cells and mounts
- Standard 8" thick concrete deck

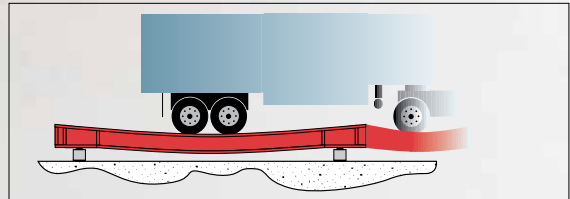
### Performance

- NTEP-certified standard widths to 14 feet for faster truck processing and added safety for drivers (NTEP #98-011A2)
- Faster, more accurate weighments - less wear with patented G-FORCE<sup>™</sup> mounting system

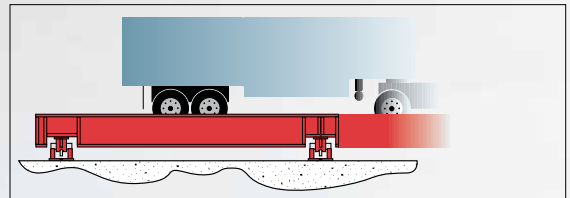
### Convenience

- Ships as legal highway load from factory to installation - no permits, no road restrictions, and no restricted travel times
- Low-profile design
- Rugged reinforced load cell pockets offer easy access to load cells and mounting assemblies

Typical truck scales deflect from 1:500 to 1:600



SURVIVOR SR truck scales deflect only 1:3100!



*Steel as an element is designed to bend as it is loaded and return to its original state as it is unloaded. Steel that is loaded (or deflected) beyond its original design characteristics will stretch, resulting in fatigue and premature failure of the structure.*

**RICE LAKE**  
**SURVIVOR<sup>®</sup>**  
TOUGHEST TRUCK SCALES ON EARTH<sup>™</sup>