



Add an iQUBE² to your application

The optional iQUBE² 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. iQUBE² provides unparalleled speed and communication and is far more resistant to electrostatic discharge and transient damage from lightning strikes than any traditional junction box.

03/03/2012 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[®] 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.

- iQUBE² is a legal-for-trade indicator without a display. It can be interfaced to almost any serial host using open protocol.
- With iQUBE² each load cell operates independently, improving signal-to-noise ratio and making diagnostic functions available.
- The iQUBE² 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 iQUBE², 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 iQUBE² 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[®] 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.
- iQUBE² Intelligent Junction Box** Featuring the latest analog to digital technology for continuous scale monitoring and advanced diagnostics, iQUBE² 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[™] 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[®] LaserLight[™] remote display and M-Series messaging remote display is clearly visible—even in direct sunlight. The unique IntelliBright[™] 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[®] OTR
Top access, low profile concrete or steel deck scales



SURVIVOR[®] PT
Pit-type concrete or steel deck scales



SURVIVOR[®] 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 for complete specifications and to see the entire Rice Lake Weighing Systems vehicle scale line.

Your Rice Lake Weighing Systems distributor is:

RICE LAKE[®]
WEIGHING SYSTEMS

To be the best by every measure[®]

230 W. Coleman St. • Rice Lake, WI 54868 • USA
TEL: 715-234-9171 • FAX: 715-234-6967 • www.ricelake.com

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Specifications subject to change without notice

SURVIVOR[®]

SR SERIES

LOW PROFILE SIDERAIL
TRUCK SCALES



**TOUGHEST
TRUCK SCALES
ON EARTH.[®]**

RICE LAKE[®]
WEIGHING SYSTEMS

To be the best by every measure[®]

800-472-6703
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The toughest truck scale made, any way you look at it

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[®] SR truck scales are designed to accommodate a minimum of 250 trucks per day for 25 years without weighbridge fatigue. This is equivalent to over two million weighments.



SURVIVOR[®] 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

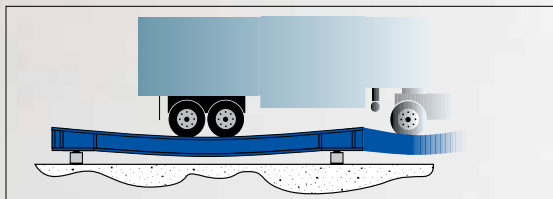
Performance

- 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[™] mounting system

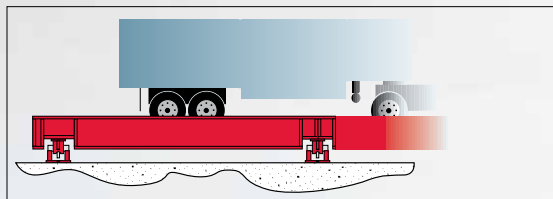
Convenience

- 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!

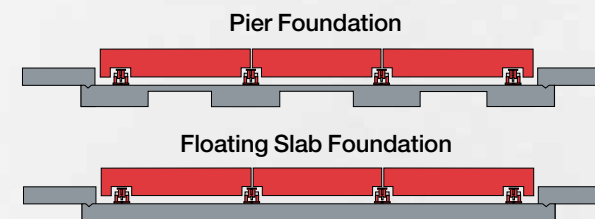


Steel as an element is designed to bend as it is loaded and return to its original state as it is unloaded. Steel that is loaded (or deflected) beyond its original design characteristics will stretch, resulting in fatigue and premature failure of the structure.

Accuracy begins with the proper foundation

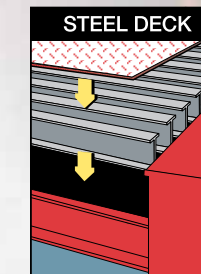
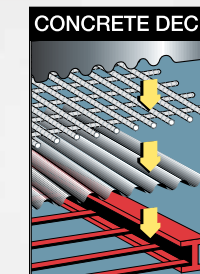
Matching the correct foundation to specific soil conditions is critical to scale performance. Factory specialists and authorized distributors will assist in specifying the proper type for each application site. Professional, engineer-certified prints are available to ensure a quality foundation.

Additional specialized foundations available upon request.



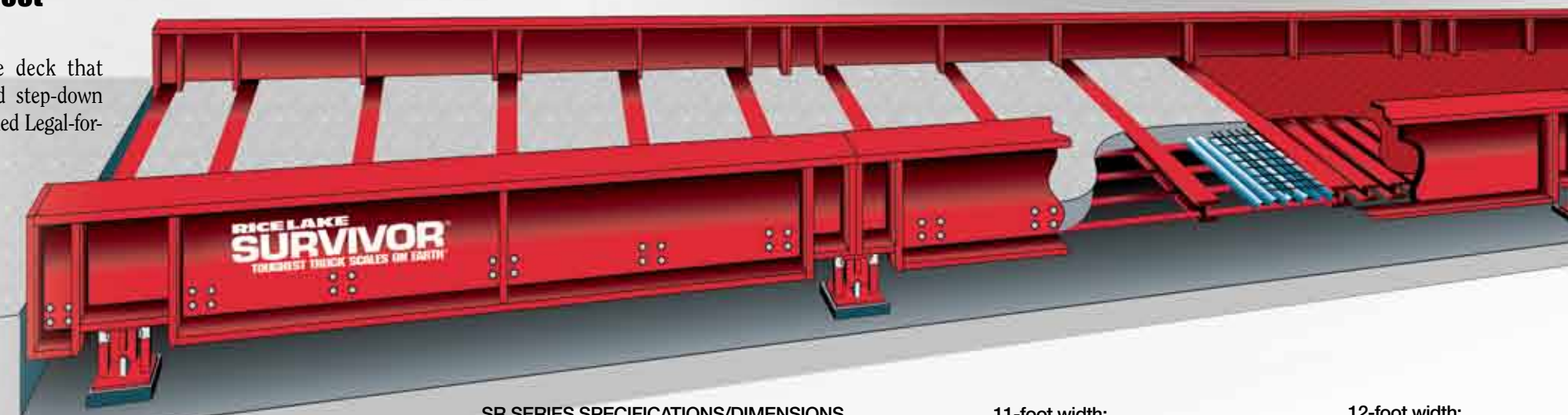
NTEP Certified 14-foot standard deck

The popular 14-foot-wide deck that minimizes driver falls and step-down injuries is now NTEP Certified Legal-for-Trade. COC #98-011A2.



Designed and built to federal bridge standards

Concrete and steel deck models use AASHTO (American Association of State Highway and Transportation Officials) standards for structural beams, concrete, rebar placement and construction procedures to guarantee the highest quality available in a scale.



Built tough, start to finish...

Exclusive 5-step process for maximum corrosion protection

- 1 Centrifugal abrasive blast cleaning removes mill scale and surface imperfections
- 2 Thorough cleaning process prepares deck for maximum adhesion of coating applications
- 3 High-solids urethane primer is applied to the steel
- 4 High-solids urethane paint completes finish
- 5 Asphalt undercoating applied to all non-visible steel surfaces

SURVIVOR[®] SR Series truck scale weighbridges are warranted against defects in materials and workmanship for a period of ten years from installation date.

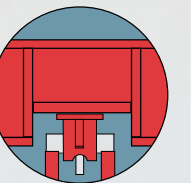
5-Year parts warranty and lightning protection



To ensure worry-free operation, we've included a 5-year Parts Warranty that covers load cells, junction boxes, suspension systems and includes a lightning protection package.

Reinforced load cell pockets for easy access and greater accuracy

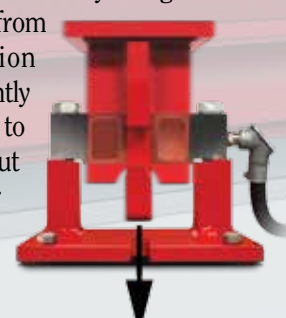
Innovative design protects load cell modules, reduces overall scale height and provides a stiffer load point for maximum accuracy.



Optional covers available for maximum protection from the elements.

G-Force[™] patented self-checking mounting system

Exclusive design sets a new standard for performance, efficiency and durability. The G-Force mount system eliminates excess movement and scale wear by using 100% of the gravity force from the loading action against itself—instantly returning the scale to dead center without check rods or bumper bolts.



SR SERIES SPECIFICATIONS/DIMENSIONS

Length	Full Scale Capacity	Modules	Load Cells	DTA Rating	CLC Rating
10 ft	120,000 lb	1	4	90,000 lb	90,000 lb
20 ft	120,000 lb	1	4	90,000 lb	90,000 lb
24 ft	120,000 lb	1	4	90,000 lb	90,000 lb
35 ft	120,000 lb	1	4	90,000 lb	90,000 lb
40 ft	200,000 lb	2	6	90,000 lb	90,000 lb
47 ft	200,000 lb	2	6	90,000 lb	90,000 lb
60 ft	200,000 lb	3	8	90,000 lb	90,000 lb
70 ft	200,000 lb	2	6	90,000 lb	90,000 lb
70 ft	200,000 lb	3	8	90,000 lb	90,000 lb
80 ft	200,000 lb	4	10	90,000 lb	90,000 lb
93 ft	200,000 lb	4	10	90,000 lb	90,000 lb
100 ft	200,000 lb	5	12	90,000 lb	90,000 lb
117 ft	200,000 lb	5	12	90,000 lb	90,000 lb

11-foot width:

Part Number	Model Number	Shipping Weight
44566	SR1011-SC-60	5300 lb
44567	SR2011-SC-60	8200 lb
44568	SR2411-SC-60	9300 lb
44569	SR3511-SC-60	16,100 lb
44570	SR4011-SC-100	15,500 lb
44571	SR4711-SC-100	18,200 lb
44572	SR6011-SC-100	23,000 lb
44573	SR7011-SC-100	31,400 lb
44574	SR7011-SC-100	26,800 lb
44575	SR8011-SC-100	30,500 lb
44576	SR9311-SC-100	35,300 lb
44577	SR10011-SC-100	38,000 lb
44578	SR11711-SC-100	44,300 lb

12-foot width:

Part Number	Model Number	Shipping Weight
44579	SR1012-SC-60	5500 lb
44580	SR2012-SC-60	8400 lb
44581	SR2412-SC-60	9500 lb
44582	SR3512-SC-60	16,400 lb
44583	SR4012-SC-100	15,900 lb
44584	SR4712-SC-100	18,700 lb
44585	SR6012-SC-100	23,600 lb
44586	SR7012-SC-100	32,000 lb
44587	SR7012-SC-100	27,500 lb
44588	SR8012-SC-100	31,200 lb
44589	SR9312-SC-100	36,200 lb
44590	SR10012-SC-100	38,900 lb
44591	SR11712-SC-100	45,400 lb

14-foot width:

Part Number	Model Number	Shipping Weight
44592	SR1014-SC-60	5800 lb
44593	SR2014-SC-60	8800 lb
44594	SR2414-SC-60	10,100 lb
44595	SR3514-SC-60	17,000 lb
44596	SR4014-SC-100	16,700 lb
44597	SR4714-SC-100	19,600 lb
44598	SR6014-SC-100	24,700 lb
44599	SR7014-SC-100	33,200 lb
44600	SR7014-SC-100	28,800 lb
44601	SR8014-SC-100	32,700 lb
44602	SR9314-SC-100	38,000 lb
44603	SR10014-SC-100	40,700 lb
44604	SR11714-SC-100	47,600 lb

