QUBE2 is a legal-for-trade indicator without QUBE2 each load cell operates independently, When paired with Rice Lake’s 920i the findings to your service provider. potential problem is detected and even email The display of the 920i will prompt when a diagnostic are taken a step further.

Intelligent Junction Box

Add an QUBE2 to your application

The optional QUBE2 digital diagnostic junction box has the unique ability to digitally monitor and communicate each load cell’s performance and will compensate for a failing load cell until repairs can be made. QUBE2 provides unparalleled speed and communication and is far more resistant to electrostatic discharge and transient damage from lightning strikes than any traditional junction box.

• QUBE2 is a legal-for-trade indicator without a display. It can be interlocked to almost any serial bus using open protocol.

• With QUBE2, each load cell operates independently, improving signal-to-noise ratio and making diagnostic functions available.

• The QUBE2 simulator function is based on a comparison to other functional load cells allowing the scale to remain functional until a repair can be made.

• The QUBE2, when used with a diagnostic screen, displays and loads cell performance, weight, load cell current values for each load cell and sends remote alerts. The system diagnostic checks A/D, excitation, and current values for each load cell and will compensate for a failing load cell.

• Each QUBE2 has diagnostic LEDs for indicating load cell health, communicating post-activity processor heartbeats, and digital PV/TV power. The LEDs can be monitored with a PC power source (7V - 24VDC) or with an AC power supply that meets the enclosure.

Complete your scale with the highest quality accessories.

1. QUBE2 Digital Weight Indicators 2. QUBE® Intelligent Junction Box

• 

3. Rice Lake Traffic Signals

• 

4. OnTrak Data Management Software

• 

5. Automated Ticketing Kiosk

• 

6. Survivor Extreme-duty, low profile concrete or steel deck scales

• 

7. SURVIVOR® LaserLight™ remote display and M Series messaging remote display

• 

8. Guide Rails (recommended option)

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 capacity, dump through modules, and more.

Call us at 800-972-8700 to discuss your specific requirements with a member of our Heavy Capacity Sales Group and to locate an authorized distributor in your region.

www.ricelake.com/truckscales

We also specialize in custom solutions including unique dimensions and profiles, existing pit and foundation matching, extreme weight capacities, dump through modules, and more.
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The optional QUBE2 digital diagnostic junction box has the unique ability to digitally monitor and communicate load cell performance, and compensate for a failing load cell until repairs can be made. QUBE2 provides unparalleled speed and communication and is far more resistant to electronic discharge and transient damage from lightning strikes than any traditional junction box.

• QUBE2 is a legal-for-trade indicator without a display.
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• QUBE2 can be interfaced to almost any serial host using any protocol.
• QUBE2 provides unparalleled digital diagnostic junction box has the unique ability to digitally monitor and communicate load cell performance.

Complete your scale with the highest quality accessories.

1. iQube® Digital Weight Indicators - Available in a range of load ranges and accuracies. Suitable for scales from 800 lb. to 60,000 lb. Available in standard or custom configurations.
2. SURVIVOR™ Intelligent Junction Box - Featuring the latest analog-to-digital technology, SURVIVOR™ provides unparalleled speed and communication and is far more resistant to electronic discharge and transient damage from lightning strikes than any traditional junction box.
3. Tribal and Continuous Payload Monitoring - High-speed, high-quality printers include real-time trend analysis and historical data storage options.
4. DataLink™ Data Management Software - Ideal for use in remote applications. Includes an interface that connects your scale to your office computer and accounting systems.
5. Advanced Ticketing Kiosk - Rice Lake's advanced ticketing kiosk offers a complete ticketing solution including load assignment, weigh-to-net, ticket printing, and ticketing for return loads.
6. Remote Displays - Right at your fingertips.
7. Ticket and Continuous Fanfold Printers - Our high-speed, high-quality printers include real-time trend analysis and historical data storage options.
8. Load Cell Sensor Packages - Functions available.

QUBE2 is a legal-for-trade indicator without a display. When paired with Rice Lake's 920i indicator, diagnostics are taken a step further. The display of the 920i will prompt when a potential problem is detected and even email notifications to your service provider.

The findings to your service provider.

The unique ability to digitally monitor and communicate load cell performance, and compensate for a failing load cell until repairs can be made. QUBE2 provides unparalleled speed and communication and is far more resistant to electronic discharge and transient damage from lightning strikes than any traditional junction box.

The Weigh of Excellence Powell Scales NW, Inc.

www.scalesnw.com

P.O. Box 690
39120 W Scio Rd
Scio, OR 97374
USA

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TEL: 503-394-3660 • FAX: 503-394-3502

www.scalesnw.com
We put more into them. Expect more out of them.

The compact, versatile SURVIVOR OTR installs quickly—ready to weigh heavy loads and reflected contact stress.

Both the OTR concrete and steel deck modules feature wide flange I-beam construction and are built to meet federal bridge standards.

The steel deck features include 12” wide flange beams on 12” centers running longitudinally with the traffic flow beneath a 3/4” flange plate deck. The concrete deck features 12” wide flange beams and 6” beams under a 3” thick slab of concrete. The wide flange beams are connected to the rigid monolithic deck with tensioned tubular fitting, a unique factor in determining the life of the weighbridge. As industry-leading 1 overturned by original equipment manufacturers (OEMs) is to be highly consistent, accuracy and durability. The G-Force mounting system eliminates excess movement and scale wear by using 100% of the gravity force from the loading action against itself—instantaneously returning the scale to dead center without repetitive loading.

Exclusive design sets an entirely new standard for performance, efficiency and durability. The G-Force mounting system eliminates excess movement and scale wear by using 100% of the gravity force from the loading action against itself—instantaneously returning the scale to dead center without repetitive loading.

The G-Force patented self-checking mounting system

Accuracy begins with the proper foundation. Working in close consultation to specific locations and 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 further ensure a quality foundation.

The OTR’s slightly undersized dimensions simplify future expansion.

To ensure worry-free installation, we’ve included an OTR mount assembly for drop-in fit into existing pits. Example: 70 ft. scale – actual length is 69 ft 10.5 in.

G-Force patented self-checking mounting system

The OTR’s slightly undersized dimensions simplify future expansion.

Any way you look at it, the best scale in its class.

G-Force patented self-checking mounting system

For applications where site stress, professional, or decorative is critical, choosing the right SURVIVOR OTR module is supported by superior design and workmanship to provide exceptional rigidity and minimal deflection. The large number of support members means less stress on the top plate, and less chance of ‘bumping’ with repetitive loading.
We put more in... They expect more out of us.

This compact, low-cost SURVIVOR® OTR installs quickly-ready to weigh heavy trucks and reflect that cost savings. Both the OTR concrete and steel deck modules feature side flange I-beam construction and are built to meet federal bridge standards.

The steel deck design features 12" side flange beams on 12" custom running严格落实血compatibility with the traffic flow beneath a 1/1300 sloped plate deck. The concrete deck features 12" main beams and 8" beams under a 1/1200 slab of concrete. The side flange beams incorporate continuous concrete deflection (vertical flexing), a unique factor in determining the life of the weighbridge. As industry-leading technology, SURVIVOR steel decks meet or exceed consistent, accurate weighments, even under the toughest conditions. SURVIVOR OTR scales are designed to accommodate a minimum of 250,000 wheels per day—equivalent to over 2 million weighments.

SURVIVOR OTR Series Specifications/Dimensions:

<table>
<thead>
<tr>
<th>Length (ft)</th>
<th>Width (ft)</th>
<th>Capacity (lb)</th>
<th>Load Cells</th>
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<tbody>
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<td>5'</td>
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<td>80'</td>
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<td>100,000</td>
<td>10</td>
</tr>
</tbody>
</table>

For applications where steel is preferred, or desirable in critical, challenging situations, the SURVIVOR® OTR steel deck module is supported by side flange main and support beams to provide exceptional rigidity and minimal deflection. The large number of support members means less stress on the top plate, and less chance of "dimpling" with repetitive loading.

Designed for drop-in fit to existing foundations

The SURVIVOR® OTR weighs in an undersized, one-piece design, allowing for easy installation. The sandwich assembly process and our factory-tested foundation make it easy to install.

Steel Deck

- Top access to load cells and junction boxes for easy installation and maintenance
- Non-skid diamond plate deck
- Built tough, start to finish
- Four stress areas and designed SURVIVOR truck scales based on actual loading experiences
- Galvanized support pans are placed on concrete deck
- Professional engineer-certified prints are available
- Matching the correct foundation to specific soil conditions is critical
- Accuracy begins with the proper foundation

Concrete Deck

- Top access to load cells and junction boxes
- Built tough, start to finish
- Five-year Parts Warranty that covers operation, we've included a Five-Year Parts Warranty that covers operation, we've included a Five-Year Parts Warranty that covers operation, we've included a Five-Year Parts Warranty that covers operation, we've included a Five-Year Parts Warranty that covers operation, we've included a Five-Year Parts Warranty that covers operation, we've included a Five-Year Parts Warranty that covers operation, we've included a Five-Year Parts Warranty that covers operation, we've included a Five-Year Parts Warranty that covers operation, we've included a Five-Year Parts Warranty that covers operation, we've included a Five-Year Parts Warranty that covers operation, we've included a Five-Year Parts Warranty that covers operation, we've included a Five-Year Parts Warranty that covers operation, we've included a Five-Year Parts Warranty that covers operation, we've included a Five-Year Parts Warranty that covers operation, we've included a Five-Year Parts 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STEEL DECK

- 75,000 lb capacity load cells and mounts
- Strongest weighbridge for long-lasting durability
- 100,000 lb concentrated load capacity (CLC)
- Manufactured in accordance with ISO 9001 guidelines
- Five-year weighbridge and electronics guarantee
- Dimensioned to easily fit existing foundations
- All load cell cable is run through factory-installed metal conduit with NTEP-certified widths to 16.5 feet for faster processing of trucks
- Top access to load cells and junction boxes for easy installation
- Span deflection ratio 1:1200 for legal highway loads on steel deck model; 1:1300 for legal highway load on concrete deck model

Performance...

- 5,000 ton capacity
- 100,000 lb capacity
- 200,000 lb capacity
- Built Tough. Start to Finish

Features...

- Rogue steel underslab
- Top access to load cells and junction boxes for easy installation and maintenance
- Built for truck loading, but also ideal for lighter processing of loads and added safety for drivers
- All OTR rated self-check
- High stress areas and designed SURVIVOR truck scales based on actual loading
- Ballasted composite weighbridge
- All OTR scales are designed to accommodate a minimum of 250 trucks per day per 25-year resume weight limit; 50,000 lb CLC rated over 2,000,000 weighments.
- PC-certified Rice Lake design engineers used the most advanced FEA (Finite Element Analysis) software to examine critical stress areas and designed RLB/TM truck scales based on actual loading of trucks. Rice Lake's patented self-checking suspension design delivers reliable, legal-to-accuracy accuracy. Analyzed these real-world advantages on sites using self-checking weighbridges.

And Value...

- More ideas and more standard features than competitive models
- Proven weight and electronics track
- Professional engineer-certified prints are available
- 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.
- To ensure worry-free operation, Rice Lake's own professional engineers design each product to meet specific needs.
- High-strength steel and concrete are applied to the steel deck and pedestal, respectively, ensuring a very rigid, professional engineering design.
- Five-Year Parts Warranty that covers load cells, junction boxes and suspension systems.
- Designed and built to federal bridge standards
- NTEP certified self-checking mounting system
- Built Tough, Start to Finish
- Designed for drop-in fit to existing foundations
- The OTRs slightly undersized dimensions simplify replacement of existing scales.

Accuracy begins with the proper foundation. Weighing the structural response to specific conditions is critical to scale performance. Factory specialists and authorized distributors will assist in specifying the proper type for each application. Professional engineer-certified prints are available to further ensure a quality installation.

NTPE certified All OTR concrete and steel deck modules are NTEP certified Legally for Trade. 22 CFR 405.32

Top access to load cells and junction boxes for easy installation

PORTABLE SYSTEMS

- Any way you look at it, the best scale in its class.

We put more into them. Expect more out of them.

Benifits and advantages...

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- Each iQUBE2 board has diagnostic LEDs for indicating load cell health, communication port activity, processor board faults, and digital IV/IVI faults. The boards can be run with a DC power source (7.5 – 12 VDC), or with an AC power supply that meets in the enclosure.

Complete your scale with the highest quality accessories:

1. iQUBE2 Digital Weight Indicator
   - Suitable for indoor use in weigh bridges, including those that can operate below -20°F. Available in standard or custom values.

2. QUBE2 Intelligent Junction Box
   - Featuring the latest analog-to-digital technology, QUBE2 provides unparalleled speed and communication and is far more resistant to electronic discharge and transient damage from lightning than any traditional junction box.
   - The optional QUBE2 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. QUBE2 provides unparalleled speed and communication and is far more resistant to electronic discharge and transient damage from lightning than any traditional junction box.

3. Tribal and Continuous Federal Protocol
   - The high-speed, high-quality printer includes an optional battery pack, allowing continuous printing and data collection for up to 12 hours.

4. OXTR Bar Management Software
   - OXTR is easy to use and network capable with full processing features, allowing instant access to the diagnostic functions that connect your scale to your ofice computer and accounting system.

5. Automated Ticketing Kiosk
   - Rice Lake has developed the Automated Ticketing Light scale family for long distance applications, and includes a built-in printer capable of handling up to 600 tickets per day. The PrintMaster™ automatically handles the ticketing function for complete ticketing operation.

6. Super TrafficLight
   - Featuring a super-bright LED display and a non-glare filtered lens, the SURVIVOR® LaserLight™ display can be interfaced to almost any serial bus using our protocol.
   - With an iQUBE2, each load cell operates independently, improving signal-to-noise ratio and making diagnostic functions available.
   - Sensors are recommended for optimal performance. The unit is easy to install and can be mounted to a single point adjustment. Connections ensure the instrumentation is isolated from transient spikes in voltage.

7. Traffic Signals
   - A full line of traffic signals and accessories, including digital clocks,陪你 to help drivers stay centered on the scale. The rail is slightly offset to allow full use of the scale deck and to minimize damage to truck wheels if accidental contact is made.

8. Guiderails (recommended option)
   - The Wide-Profile LaserLight and M Series messaging remote display is clearly visible—even in direct sunlight. The unique IntelliBright™ feature uses a photo sensor to adjust display intensity automatically.

The Weigh of Excellence: Powell Scales NW, Inc.

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

Custom Designs Available

We manufacture and design a full 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 specific requirements with a member of our Heavy Capacity Sales Group and to locate an authorized distributor in your region.

Visit us at www.scalesnw.com for complete specifications and to see the entire Rice Lake Weighing Systems vehicle scale line.

www.scalesnw.com