Add an iQUBE2 to your application

The original iQUBE® digital diagnostic junction box has the unique ability to digitize 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 electronic discharge and transient damage from lightning strikes than any traditional junction box.

- **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 simulator function is based on a comparison to other functional load cells allowing the scale to remain functional until a repair can be made.
- iQUBE2, when used with a diagnostic screen, displays and trended cell performance, weight, load cell and current values for each load cell and sends email alerts. The system diagnostic checks XV, concentration, communications, and load cell bridges and assesses weight accuracy performance with touchless diagnostics (for return to zero, drift, noise and linearity).
- Each iQUBE2 board has lighted LEDs for identifying failing load cell health, communications port activity processor board health, and digital I/O functionality. The boards can be run with a VC power source (75 – 24VC), or with an AC power supply that meets the enclosure.
QUBE2 is a legal-for-trade indicator without each load cell operating independently. The emulator function is based on a comparison potential problem is detected and even e-mail or cellular function when a potential problem is detected and even e-mail or cellular function.

The display of the 920i will prompt when a 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 transient spikes in voltage. Connections ensure the instrumentation is isolated from transient spikes in voltage. Connections ensure the instrumentation is isolated from transient spikes in voltage.

- The unique ability to digitally monitor and communicate load cell performance allows the scale to remain functional until a repair can be made.
- 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.
- QUBE2, when used with a diagnostic screen, displays and tracks cell performance, weight, load cell current and various other values for each load cell. Loads are monitored at all times and any deviation from the accepted weight is communicated.
- Each QUBE2 board has diagnostic LEDs for displaying load cell health, communication port activity, processor heartbeat, and digital I/O monitoring. The board can be run with a DC power supply (7.5 – 12VDC), or with an AC power supply that mounts in the enclosure.

Add an iQUBE2 to your application

The optional iQUBE2 digital 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 transient spikes in voltage.

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Complete your scale with the highest quality accessories.

The highest scale on Earth has the best...
1. HMI Digital Weight Indicators
2. SURVIVOR® LaserLight™
3. OnTrak™ Data Management Software
4. Traffic Signals

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, unique dimensions and profiles, existing pit and foundation matching, extreme weight capacities, custom designs to meet your application needs.

Visit us at www.ricelake.com/truckscales for complete specifications and to see the entire Rice Lake Weighing Systems vehicle scale line.
**Performance...**
- 75,000 lb capacity—load cells and mounts
- Strongest weighbridge for long-lasting durability
- 5-year Parts Warranty that covers operation, we've included a Lightning Protection package.
- Professional engineer-certified prints are available to further ensure a quality foundation.

**Features...**
- Top access to load cells and junction boxes for easy installation and maintenance.
- Close tolerance in plus or minus 1/8" for faster processing of loads and restricted weights.
- All metal safety rails and guard rails provide extra safety for users.
- OTR Series weighbridges are warranted against defects in materials and workmanship.

**And Value...**
- More ideas and more standard features than competitive models.
- All OTR series weighbridges and electronics are NTEP-certified.
- AVAILABLE IN CONCRETE AND STEEL DECK MODELS

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

The compact, user-friendly OTR (ORI) installs quickly—ready to weigh heavy loads and reflect constant truth.

Both the OTR concrete and steel deck models feature wide flanges (5 times construction) and are built to meet federal bridge standards.

The steel deck design features 12-inch wide flanges beams on 12-inch centers running longitudinally with the traffic flow for a 5' x 5' island scale deck. The concrete deck features 12-inch wide flanges beams on 16-inch centers for added strength and deflection. Vertical bending is a major factor in determining the life of the weighbridge. An industry-leading NTEP certified I-500K I CLC scale means you'll have consistent, accurate weighments, even under the toughest conditions. SURVIVOR OTR scales are designed to accommodate a minimum of 250 trucks per day for 25 years without weighbridge deflections—equivalent to over 2 million weighments.

PC-certified Rice Lake design engineers used the most advanced FEA (Finite Element Analysis) software to examine high-stress areas and designed 90000 Truck scale tested by actual loading to demonstrate how the OTR model exceeds all suspension design deflection limits, legal-to-accurate capacity.

Steel deck models are designed and built to Federal bridge standards.

**Built Tough. Start to Finish...**
- Designed and built to Federal bridge standards.
- NTEP Certified. All complete OTR scales listed are undersized for easy installation under the toughest conditions.

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STEEL DECK

• 75,000 lb capacity load cells and mounts
• Strongest weighbridge for long-lasting durability
• 100,000 lb Dual Tandem Axle (DTA) rating
• 100,000 lb Concentrated Load Capacity (CLC)
• Five-year weighbridge and electronics guarantee
• More steel and more standard features than competitive models
• NTEP-certified widths to 16.5 feet for faster processing of trucks
• Top access to load cells and junction boxes for easy installation
• Asphalt emulsion undercoating

Faster, more accurate weighments—less wear

Span Deflection ratio 1:1200 for legal highway loads on steel deck model;
Up to 270,000 lb gross weight capacity

Concrete or Steel Deck Top Access.

Concrete forms around the welded stud mount assembly, creating a monolithic structure.

Pier Foundation

Floating Slab Foundation

Easily expands to grow with your business

Fitting 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.

NTEP-certified All OTR modules are NTEP-certified for a period of 5 years from delivery.

NTEP Certificate #02-003A2

ccf certified Legal-for-Trade.

Built Tough, Start to Finish...

Performance:

• 100,000 lb standard weight capacity
• 100,000 lb concentrated load capacity (CLC)
• NTEP Certified
• Strongest weighbridge for long-lasting durability
• High-strength steel, steel deck and concrete
• Overall width range of 10’ to 20’ on steel deck models
• NTEP-certified Rice Lake design engineers

Features:

• Adjustable undercarriage
• Top access to load cells and junction boxes for easy installation and maintenance
• 100,000 lb for heavier processing or fixed loads and extra safety for those
• Minimal deflection ratio
• Fits into existing foundations to provide exceptional rigidity
• Ideal for both above ground and in-laid applications

And Value:

• Stainless steel and more standard features than competitive models
• Better warranty and electronics state
• Manufactured in accordance with ICC 501 guidelines

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 further ensure a quality installation.

(OTR scales available for exclusive off-road applications)

Toughest Truck Scales on Earth

Built-in self-checking mounting system

Exclusive design sets an entirely new standard for performance, efficiency and durability. The G-Force mounting system eliminates movement and scale wear by using 100% of the gravity force from the loading action on actual loading characteristics. Rice Lake’s patented load cell and mounting systems are designed to accommodate a minimum of 250 trucks per day for 25 years without weighbridge fatigue—equivalent to over 5 million loadings.

3-Year Parts Warranty

To ensure worry-free operation, Rice Lake offers a 3-Year Parts Warranty that covers all OTR modules load cells, junction boxes, suspension systems and Lightning Protection, and includes a lightning protection package.

Pier Foundation

Floating Slab Foundation

5-Year Parts Warranty and Lightning Protection

To ensure worry-free operation, Rice Lake offers a 5-Year Parts Warranty that covers all OTR modules load cells, junction boxes, suspension systems and Lightning Protection, and includes a lightning protection package.

Accurate load measurements are based on our exclusive FEA (Finite Element Analysis) software to examine high-stress areas and designed SURVIVOR truck scales based on actual loading characteristics. Rice Lake’s patented self-checking mounting system offers easy installation, and scale wear by using 100% of the gravity force from the loading action on actual loading characteristics. Rice Lake’s patented load cell and mounting systems are designed to accommodate a minimum of 250 trucks per day for 25 years without weighbridge fatigue—equivalent to over 5 million loadings.

Concrete or Steel Deck Top Access.

Concrete forms around the welded stud mount assembly, creating a monolithic structure.

Pier Foundation

Floating Slab Foundation

Easily expands to grow with your business

Tougher and cost-effective, the OTR is designed to change with your business. Rice Lake’s self-checking mounting systems include a unique pre-assembled foundation, and simplify future expansion.

NTEP-certified All OTR modules are NTEP-certified for a period of 5 years from delivery.

NTEP Certificate #02-003A2

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• Overall width range of 10’ to 20’ on steel deck models
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• 100,000 lb for heavier processing or fixed loads and extra safety for those
• Minimal deflection ratio
• Fits into existing foundations to provide exceptional rigidity
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Pier Foundation

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NTEP-certified All OTR modules are NTEP-certified for a period of 5 years from delivery.

NTEP Certificate #02-003A2

ccf certified Legal-for-Trade.
**Steel Deck**

- **75,000 lb capacity load cells and mounts**
- **100,000 lb Dual Tandem Axle rating (DTA)**
- **100,000 lb Concentrated Load Capacity (CLC)**
- Manufactured in accordance with ISO 9001 guidelines
- Five-year weighbridge and electronics guarantee
- More steel and more standard features than competitive models
- Ideal for both above ground and pit applications
- All load cell cable is run through factory-installed metal conduit with NTEP-certified widths to 16.5 feet for faster processing of trucks
- Asphalt emulsion undercoating
- Up to 270,000 lb gross weight capacity

**Performance...**

...and maintenance with G-FORCE™

1:1300 for legal highway load on concrete deck model

**Features...**

- Designed and built to federal bridge standards
- Centrifugal abrasive blast cleaning removes mill scale and surface imperfections
- A thorough cleaning process prepares deck for maximum adhesion of coating applications
- Highest quality materials and workmanship throughout
- Designed for drop-in installation into existing pits. Example: 70 ft. scale – actual length 69 ft 10.5 in.
- NTEP certified Legal-for-Trade. All complete OTR scales listed are undersized for easy installation against itself—instantaneously returning the scale to dead center without scale wear by using 100% of the gravity force from the loading action
- G-Force™ - Patented self-checking mounting system
- High stress areas and designed SURVIVOR truck scales based on actual loading historian data to minimize deflection and provide exceptional rigidity
- Designed for drop-in fit in existing installations
- The OTR’s slightly undersized dimensions simplify installation, saving you money and less chance of “dimpling” against deck
- Professional engineer-certified prints are available
- Designed for drop-in fit in existing installations
- For applications where steel is preferred, or when critical, changing conditions are expected. Each module is supported by scale 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
- As a result of G-Force™ technology, accuracy and less maintenance. The G-Force mounting system eliminates excess movement and durability. The G-Force mounting system eliminates excess movement and durability. The G-Force mounting system eliminates excess movement
- Designed for drop-in fit with your business
- Versatile and cost-effective, the OTR was designed to change with your business. Easily expands to grow with your business. Tensile hull, self-seating hinge connections, self-checking mounting systems
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Complete your scale with the highest quality accessories.

The toughest scales on Earth deserve the best...

1. **HMI Digital Weight Indicators**
   - SURVIVOR® digital weight indicators offer the latest analog to digital technology with the latest high-speed, high-quality digital sensors and zero drift, noise and linearity.
   - Each SURVIVOR® digital weight indicator includes the following features:
     - LED displays with remote displays and tracking dead loads, weight, and vehicle information.
     - A quick-access keypad for easy access to a variety of scale functions, including zero set, tare, and printout.
     - A built-in, high-speed, high-quality, waterproof printer for continuous displays and tracking load cell performance.
   - SURVIVOR® digital weight indicators are available with a variety of options, including:
     - Digital weighing indicators
     - Digital weighing indicators with remote displays
     - Digital weighing indicators with remote displays and remote displays

2. **Pit-type concrete or steel deck scales**
   - SURVIVOR® scales are designed for heavy-duty applications in the most popular sizes and capacities.
   - SURVIVOR® scales are made of durable, corrosion-resistant materials, including:
     - Heavy-duty rail system
     - Heavy-duty rail system with an attractive visible guide to help drivers stay centered on the scale.
     - Heavy-duty rail system with an attractive visible guide to help drivers stay centered on the scale.
     - Heavy-duty rail system with an attractive visible guide to help drivers stay centered on the scale.
   - SURVIVOR® scales are available with a variety of options, including:
     - Custom designs
     - Custom designs with a variety of options
     - Custom designs with a variety of options
     - Custom designs with a variety of options

3. **TOP ACCESS LOW PROFILE CONCRETE & STEEL DECK SCALE**
   - TOP ACCESS LOW PROFILE CONCRETE & STEEL DECK SCALE is designed for use in tight spaces, including:
     - deck siderail scales
     - deck siderail scales with a variety of options
     - deck siderail scales with a variety of options
     - deck siderail scales with a variety of options

4. **Pit-type concrete or steel deck scales**
   - Pit-type concrete or steel deck scales are designed for use in tight spaces, including:
     - Deck siderail scales
     - Deck siderail scales with a variety of options
     - Deck siderail scales with a variety of options
     - Deck siderail scales with a variety of options

5. **Automated Ticketing Kiosk**
   - The Automated Ticketing Kiosk is designed for use in tight spaces, including:
     - Automated ticketing kiosk
     - Automated ticketing kiosk with a variety of options
     - Automated ticketing kiosk with a variety of options
     - Automated ticketing kiosk with a variety of options

6. **Remote Displays**
   - Remote Displays are designed for use in tight spaces, including:
     - Remote displays
     - Remote displays with a variety of options
     - Remote displays with a variety of options
     - Remote displays with a variety of options

7. **Guiderails (Recommended option)**
   - Guiderails are recommended for use in tight spaces, including:
     - Guiderails
     - Guiderails with a variety of options
     - Guiderails with a variety of options
     - Guiderails with a variety of options

8. **Surf怡 comfort**
   - Surf怡 comfort is designed for use in tight spaces, including:
     - Surf怡 comfort
     - Surf怡 comfort with a variety of options
     - Surf怡 comfort with a variety of options
     - Surf怡 comfort with a variety of options

9. **Custom Designs Available**
   - Custom Designs Available are designed for use in tight spaces, including:
     - Custom designs
     - Custom designs with a variety of options
     - Custom designs with a variety of options
     - Custom designs with a variety of options

10. **TOUGHEST TRUCK SCALES ON EARTH.**
    - TOUGHEST TRUCK SCALES ON EARTH. are designed for use in tight spaces, including:
      - TOUGHEST TRUCK SCALES ON EARTH.
      - TOUGHEST TRUCK SCALES ON EARTH. with a variety of options
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