

LOAD CELLS & WEIGH MODULES

WE UNDERSTAND WHAT YOU NEED IN A LOAD CELL SUPPLIER...

Over 50 years of experience and knowledgeable applications specialists allow us to offer the most advanced strain gauge solutions available.

TOUGH, ACCURATE LOAD CELLS...

From general purpose weighing to hostile environment applications, we provide durable, accurate load cells to meet your specific needs.

- Capacities from 7 lb to 200,000 lb (3 kg - 90,718.5 kg)
- NTEP and OIML certifications
- FM approvals
- Impressive International Protection (IP) ratings
- Hermetic and environmental sealing available

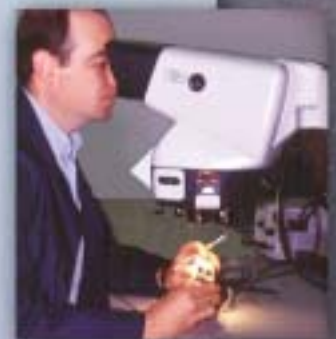
A COMPREHENSIVE LINE OF WEIGH MODULES...

Models for low- to heavy-capacity process control, vessel weighing, and much more.

- Capacities from 11 lb to 200,000 lb (5 kg - 90,718.5 kg)
- Available in alloy steel, stainless steel, and cast iron
- Neoprene isolation/compression mounts available
- Self-checking, easy-to-use designs
- Lift-off, tip-over, and overload protection

PLUS THE BEST CUSTOMER SERVICE IN THE INDUSTRY!

That's what you can expect from Rice Lake Weighing Systems. For your convenience, we not only offer the most comprehensive line of load cells, we keep them in stock. In fact, we maintain an industry-leading 95% or greater same-day shipment ratio.



SINGLE-ENDED BEAMS

RL30000



Capacities: NTEP: 1000 - 10,000 lb
453.6 - 4535.9 kg
Non-NTEP: 250 - 20,000 lb
113.4 - 9071.9 kg

Applications: Low-profile scales and process applications

Full Scale Output: 3.0 mV/V

Bridge Resistance: 350 ohms, nominal

Material/Finish: High-alloy steel, nickel plated

Seal Type: Environmentally protected, IP67



RL30000W



Capacities: 1000 - 10,000 lb
453.6 - 4535.9 kg

Applications: Low-profile scales and process applications

Full Scale Output: 3.0 mV/V

Bridge Resistance: 350 ohms, nominal

Material/Finish: High alloy steel, nickel plated

Seal Type: Welded seal, IP67



RL35023S



Capacities: 1000 - 10,000 lb
453.6 - 4535.9 kg

Applications: Low-profile scales and process applications

Full Scale Output: 3.0 mV/V

Bridge Resistance: 350 ohms, nominal

Material/Finish: Stainless steel

Seal Type: Environmentally protected, IP 67



RL35083



Capacities: 1000 - 10,000 lb
453.6 - 4535.9 kg

Applications: Hostile environment applications typical of food and chemical processing

Full Scale Output: 3.0 mV/V

Bridge Resistance: 350 ohms, nominal

Material/Finish: Stainless steel

Seal Type: Welded seal strain gauge, IP67



RL35082



Capacities: 1000 - 10,000 lb
453.6 - 4535.9 kg

Applications: Hostile environment applications typical of food and chemical processing

Full Scale Output: 2.0 mV/V

Bridge Resistance: 350 ohms, nominal

Material/Finish: Stainless steel

Seal Type: Welded seal strain gauge, IP67 (IP66/68 available)



RLHTO



Capacities: 1102.3 - 11,023.1 lb
500 - 5000 kg

Applications: Low-profile platforms, pallet truck weighers, tanks and silos

Full Scale Output: 2.0 mV/V

Bridge Resistance: 350 ohms, nominal

Material/Finish: Stainless steel

Seal Type: Hermetically sealed, IP66/68



Metric Envelope

RLMK15



Capacities: 1000 - 2500 lb
453.6 - 1134.0 kg

Applications: Replacement for NCI®/Weigh-Tronix® Mark 15 floor scale load cell

Full Scale Output: 3.0 mV/V

Bridge Resistance: 350 ohms, nominal

Material/Finish: Alloy steel

Seal Type: Environmentally protected, IP67



RL7500SS



Capacities: 1250 - 37,500 lb
567.0 - 17,009.7 kg

Applications: Replacement for Weigh-Tronix® Weighbar

Full Scale Output: 2.0 mV/V

Bridge Resistance: 350 ohms, nominal

Material/Finish: Stainless steel

Seal Type: Environmentally protected, IP67



RL32155



Capacities: 500 - 2000 lb
226.8 - 907.2 kg

Applications: Replacement for Toledo® 2155 and 2885 load cells

Full Scale Output: 2.0 mV/V

Bridge Resistance: 440 ohms, nominal

Material/Finish: Stainless steel

Seal Type: Environmentally protected, IP67



RLSB2

Capacities: 1000 - 45,000 lb
453.6 - 20,411.7 kg

Applications: Replacement for Masstron® cells

Full Scale Output: 2.0 mV/V ± 0.7%

Bridge Resistance: 350 ohms, nominal

Material/Finish: High-alloy steel, epoxy coated

Seal Type: Environmentally protected; 35,000 lb & 45,000 lb hermetically sealed, IP67



RLSB2L/RLSB2M



Capacities: 1000 - 45,000 lb
453.6 - 20,411.7 kg

Applications: Replacement for Masstron® cells

Full Scale Output: 2.0 mV/V ± 0.7% (Matched)

Bridge Resistance: 350 ohms, nominal (RLSB2L)
2000 ohms (RLSB2M)

Material/Finish: Stainless steel, 1000-10,000 lb
High-alloy steel, epoxy coated, 20,000-45,000 lb

Seal Type: Environmentally protected; 35,000 & 45,000 lb hermetically sealed, IP67



RL40BBS

Capacities: 50 - 2500 lb
22.7 - 1134.0 kg

Applications: Precision force and weight measurement

Full Scale Output: 2.0 mV/V

Bridge Resistance: 750 ohms, nominal, 50-1000 lb
347 ohms, nominal, 2500 lb

Material/Finish: High-alloy steel, nickel plated

Seal Type: Environmentally protected with neoprene sleeve, IP65



RL50210



Capacities: 25 - 500 lb
11.3 - 226.8 kg

Applications: Tension- or compression-loading applications

Full Scale Output: 3.0 mV/V

Bridge Resistance: 350 ohms, nominal

Material/Finish: High-alloy steel, nickel plated

Seal Type: Environmentally protected with neoprene sleeve, IP65



RLHBB



Capacities: 11 - 1102.3 lb
5 - 500 kg

Applications: Low-profile platforms, weighing and packing machines, electro-mechanical conversions and general-purpose weighing

Full Scale Output: 2.0 mV/V

Bridge Resistance: 350 ohms, nominal

Material/Finish: Stainless steel

Seal Type: Hermetically sealed, IP68



Metric Envelope

RLBEAM

Capacities: 2250 - 45,000 lb
1020.6 - 20,411.7 kg

Applications: Replacement for BLH® KIS beam

Full Scale Output: 2.0 mV/V

Bridge Resistance: 350 ohms, nominal

Material/Finish: Stainless steel

Seal Type: Hermetically sealed, IP68



RLSSB



Capacities: 1000 - 10,000 lb
453.6 - 4535.9 kg

Applications: Platform scales, materials testing, and process weighing

Full Scale Output: 2.0 mV/V

Bridge Resistance: 350 ohms, nominal

Material/Finish: Stainless steel

Seal Type: Welded seal, IP67



RLSB250



Capacities: 2500 lb
1134.0 kg

Applications: Interchangeable with Cardinal® SB2500

Full Scale Output: 2.0 mV/V

Bridge Resistance: 350 ohms, nominal

Material/Finish: Stainless steel

Seal Type: Welded seal, IP67



RLETB



Capacities: 1102.3 - 11,023.1 lb
500 - 5000 kg

Applications: Low-profile platforms, tanks and silos

Full Scale Output: 3.0 mV/V

Bridge Resistance: 350 ohms, nominal

Material/Finish: High-alloy steel

Seal Type: Environmentally sealed, IP67



Metric Envelope

DOUBLE-ENDED BEAMS

RL70000/RL7000SS



Capacities: RL70000: 5000 - 100,000 lb
2268 - 45,359.2 kg
RL7000SS: 5000 - 150,000 lb
2268 - 68,038.9 kg

Applications: RL70000: Truck, tank and hopper applications
RL7000SS: Truck, track and process weighing

Full Scale Output: 3.0 mV/V
Bridge Resistance: 700 ohms, nominal
Material/Finish: RL70000: High-alloy steel, nickel plated
RL7000SS: Stainless steel
Seal Type: Environmentally protected, IP67

RL71000HE



Capacities: 5000 - 60,000 lb
2268 - 27,216 kg

Applications: Replacement for RL7000SS or RTI® 9103

Full Scale Output: 3.0 mV/V
Bridge Resistance: 700 ohms, nominal
Material/Finish: Stainless steel
Seal Type: Hermetically sealed, IP66/68

RL75016/RL75016SS



Capacities: 1000 - 75,000 lb
453.6 - 34,019.4 kg

Applications: Tank and hopper applications

Full Scale Output: 3.0 mV/V
Bridge Resistance: 700 ohms, nominal
Material/Finish: RL75016: High-alloy steel, nickel plated
RL75016SS: Stainless steel
Seal Type: Environmentally protected, IP67

RL75016HE



Capacities: 1000 - 25,000 lb
453.6 - 11,339.8 kg

Applications: Tank and hopper applications

Full Scale Output: 3.0 mV/V
Bridge Resistance: 700 ohms
Material/Finish: Stainless steel
Seal Type: Hermetically sealed, IP66/68

RL75060S



Capacities: 20,000 - 75,000 lb
9071.9 - 34,019.4 kg

Applications: High-capacity process measurement and control; vehicle weighing in hostile environments

Full Scale Output: 3.0 mV/V
Bridge Resistance: 700 ohms, nominal
Material/Finish: Stainless steel
Seal Type: Welded seal, IP67

RL75058



Capacities: 20,000 - 125,000 lb
9071.9 - 56,699.1 kg

Applications: Center link loading and compatibility with the Unilink or similar suspension systems

Full Scale Output: 3.0 mV/V
Bridge Resistance: 700 ohms, nominal
Material/Finish: High-alloy steel, nickel plated
Seal Type: Environmentally protected, IP67

RL75040



Capacities: 25,000 - 125,000 lb
11,339.8 - 56,699.1 kg

Applications: Center mounting and double link loading, compatible with Unilink/Translink suspension up to 75,000 lb

Full Scale Output: 3.0 mV/V
Bridge Resistance: 700 ohms, nominal
Material/Finish: High-alloy steel, nickel plated
Seal Type: Environmentally protected, IP67

RL75223



Capacities: 50,000 - 100,000 lb
22,679.6 - 45,359.2 kg

Applications: Low-profile truck and track scales in harsh environments

Full Scale Output: 3.0 mV/V
Bridge Resistance: 700 ohms, nominal
Material/Finish: High-alloy steel, epoxy coated
Seal Type: Welded seal strain gauge, IP67

SINGLE POINTS

RL1010



Capacities: 6.6 - 198.4 lb
3 - 90 kg

Applications: Platform scales

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Anodized aluminum
Seal Type: Potted and unpotted models

RL1042



Capacities: 2.2 - 220.5 lb
1 - 100 kg

Applications: Weighing platforms, and low-capacity beams

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Aluminum
Seal Type: Environmentally protected, potted and unpotted

RL1140



Capacities: 33.1 - 330.7 lb
15 - 150 kg

Applications: Weighing platforms, hanging scales, and low-capacity beams

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Seal Type: Environmentally protected, potted, IP65

RL1250



Capacities: 110.2 - 2204.6 lb
50 - 1000 kg

Applications: Weighing platforms

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Anodized aluminum
Seal Type: Environmentally protected, potted

RL1260



Capacities: 110.2 - 1400 lb
50 - 635 kg

Applications: Weighing platforms

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Aluminum
Seal Type: Environmentally protected, IP65

RLMK4



Capacities: 10 - 100 lb
4.5 - 45.3 kg

Applications: Interchangeable with NCI® MK4

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Alloy steel or stainless steel
Seal Type: Environmentally protected

RL1521A



Capacities: NTEP: 6.6 - 66.2 lb
3 - 30 kg
Non-NTEP: 77.2 lb
35 kg

Applications: Bench scales and platform scales

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Aluminum
Seal Type: Environmentally protected

RLMK21



Capacities: 9.9 - 77.2 lb
4.5 - 35 kg

Applications: Alternative for Weigh-Tronix® 3270 Series checkweighers

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Seal Type: Environmentally protected

RL1380



Capacities: 15.4 - 132.3 lb
7 - 60 kg

Applications: Platform scales, packaging and process weighing equipment

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Seal Type: Environmentally protected, IP67

S-BEAMS



RL20000



Capacities: 25 - 20,000 lb
11.3 - 9071.9 kg
Applications: Scale conversions and general-purpose weighing
Full Scale Output: 3.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: High-alloy steel, nickel-plated
Seal Type: Environmentally protected, IP67



RL20000 SS



100 - 10,000 lb
45.4 - 4535.9 kg

Capacities: 50 - 10,000 lb
22.7 - 4535.9 kg
Applications: Scale conversions, tension applications and general-purpose weighing
Full Scale Output: 3.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Seal Type: Environmentally protected, IP67



RL20001



500 - 5,000 lb
226.8 - 2268 kg

Capacities: 250 - 20,000 lb
113.4 - 9071.9 kg
Applications: Scale conversions, tension applications and general-purpose weighing
Full Scale Output: 3.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: High-alloy steel, nickel-plated
Seal Type: Environmentally protected, IP67



RL20001 HE



Capacities: 500 - 20,000 lb
226.8 - 9071.9 kg
Applications: Scale conversions and general-purpose weighing
Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Seal Type: Welded seal, IP67



RL20001 HE



Capacities: 551.2 - 5512.5 lb
250 - 2500 kg
Applications: Scale conversions and general-purpose weighing
Full Scale Output: 3.0 mV/V ±0.25%
Bridge Resistance: 350 ohms, nominal
Material/Finish: Alloy steel
Seal Type: Environmentally protected, IP67

Metric Envelope

COMPRESSION CANISTERS



RL8C2P1SS



Capacities: 50,000 - 200,000 lb
22,679.6 - 90,718.5 kg
Applications: Truck scales, rail scales
Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Seal Type: Welded seal gauge area, IP68



RL8CSP1



Capacities: 25,000 - 200,000 lb
11,339.8 - 90,718.5 kg
Applications: Truck scales, rail scales
Full Scale Output: 2.0 mV/V
Bridge Resistance: 480 ohms, nominal
Material/Finish: Stainless steel
Seal Type: Welded seal, IP67



RL90000



Capacities: 5,000 - 100,000 lb
2268 - 45,359.2 kg
Applications: Low-profile weighing applications
Full Scale Output: 4.0 mV/V
Bridge Resistance: 350 ohms (100,000 lb = 700 ohms), nominal
Material/Finish: High-alloy steel, nickel-plated
Seal Type: Environmentally protected

WEIGH MODULES

ITCM - Isolated Tension Cell Mount

Alloy steel construction
Capacities: 100 - 20,000 lb
 45.4 - 9071.9 kg
Applications: Suspended hoppers and tanks
 Mechanical scale conversions



Paramounts®

Available in both alloy and stainless steel
Capacities: 225 - 22,500 lb
 102.2 - 10,215.0 kg
Applications: Light- to medium-capacity tanks
 and hoppers
 High-vibration mixers and blenders



1700 Series Mounts

Stainless steel construction
Capacities: 11.0 - 11,023.1 lb
 5 - 5000 kg
Applications: Multi-ingredient micro-batching
 Meat and poultry processing
 Chemical batching/blending



1800 Series Mounts

Available in both alloy and stainless steel
Capacities: 250 - 10,000 lb
 113.4 - 4535.9 kg
Applications: Medium-capacity hoppers, bins
 and tanks
 Chemical batching/blending
 Conveyors



RL50210 TA

Available in both alloy and stainless steel
Capacities: 50 - 2500 lb
 22.7 - 1134 kg
Applications: Small tanks and hoppers
 Conveyors and in-motion
 weighing
 Small platform scales



1900 Series Mounts

Stainless steel construction
Capacities: 1000 - 10,000 lb
 453.6 - 4535.9 kg
Applications: Medium-capacity tanks, bins
 and hoppers
 Washdown or corrosive
 applications



2100 Series Mounts

Stainless steel construction
Capacities: 20,000 - 100,000 lb
 9071.9 - 45,359.2 kg
Applications: Heavy-capacity tanks, blenders
 and reactors
 Chemical blending, batching and
 inventory control
 Hostile environment truck and
 railroad track weighing

1600 Series Mounts

Available in cast iron, alloy and stainless steel
Capacities: 1000 - 75,000 lb
 453.6 - 34,019.5 kg
Applications: Medium- to heavy-capacity tanks,
 bins and hoppers
 Bulk material management
 Dry ingredient batching, mixing and
 blending



EZ Mount 1 Series

Available in alloy and stainless steel
Capacities: 5000 - 100,000 lb
 2268.0 - 45,359.2 kg
Applications: Medium to heavy tanks and hoppers
 Bulk material management



MVS Mount

Alloy steel construction
Capacities: 50,000 - 75,000 lb
 11,339.8 - 45,359.2 kg
Applications: Truck scales
 Heavy-capacity horizontal tanks



Motor Truck Scale Electronic Conversion Kit

Alloy steel construction
Capacities: 25,000 - 100,000 lb
 11,339.8 - 45,359.2 kg
Applications: Updating existing mechanical
 motor truck scales
 Replacing unsatisfactory
 electronic motor truck scales



MagnaMount®

Alloy steel construction
Capacities: 50,000 - 200,000 lb
 22,679.6 - 90,718.5 kg
Applications: Truck scales
 Heavy capacity horizontal tanks
 Railroad track scales



SEE COMPLETE TECHNICAL SPECIFICATIONS AT www.rlws.com

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