

LOADCELLS



ZEMIC Ball and cap Analogue load cells

Capacity 10 -100 t

Durability due to hardened, wear-resistant materials, High-grade alloy steel or stainless steel, nickel-plated for corrosion resistance.

They are commonly used in **truck weighbridges, platform scales, tank/hopper weighing systems, and industrial weighing machines.**

Designed for **high accuracy and heavy-duty applications.**

They are usually **hermetically sealed** for protection against dust, moisture, and harsh environments, IP67 / IP68 (dustproof & waterproof, suitable for outdoor weighbridges).

LOADCELLS



ZEMIC LOADCELL L6D8

The **Zemic L6D8** stands out as a **precise, reliable**, and **compact** single-point load cell tailored for moderate-capacity weighing systems.

Type & Material: Aluminum-alloy single-point load cell with colorless anodized finish, designed to withstand industrial environments.

Ingress Protection: Rated **IP65**, providing effective resistance against dust and water

Recommended Platform Size: Up to **350 × 350 mm**, ensuring good weight distribution and accuracy across the platform.

Versatile Capacity Range: Ideal for medium-duty retail and bench scale applications.

High Accuracy & Stability: Offers high verification intervals and tight error specifications, especially in C3

Reliable in Varied Conditions: Good temperature compensation, strong overload margins, and consistent performance.

LOADCELLS



ZEMIC LOADCELL L6E3

The L6E3 is a single-point aluminum load cell designed for small to medium platform scales. It offers high accuracy, reliability, and compact design, making it suitable for both commercial and industrial weighing applications.

Type: Single Point Load Cell

Type & Material: Aluminum-alloy single-point load cell with colorless anodized finish, designed to withstand industrial environments.

Ingress Protection: Rated **IP65**, providing effective resistance against dust and water

Versatile Capacity Range: Ideal for medium-duty retail and bench scale applications.

Recommended Platform Size: Up to **400 × 400 mm**, ensuring good weight distribution and accuracy across the platform.

High Accuracy & Stability: Offers high verification intervals and tight error specifications, especially in C3

Reliable in Varied Conditions: Good temperature compensation, strong overload margins, and consistent performance.

LOADCELLS



ZEMIC L6F Load Cell (Single Point)

The **L6F** is a **single-point aluminum load cell** designed for **platform and bench scales**. It is one of Zemic's most popular load cells for medium-capacity weighing applications.

Key Features

Type: Single point load cell, Aluminum alloy (anodized)

High Accuracy & Stability: Offers high verification intervals and tight error specifications, especially in C3

Versatile Capacity range: Ideal for medium-duty retail and platform scale applications.

Accuracy class: OIML R60 C3 (Trade approved, high accuracy)

Recommended platform size: up to 600 × 600 mm

protection: IP65 (dust-tight, protected against water spray)**Applications:** Platform scalesPackaging & filling machines Industrial weighing equipment

LOADCELLS



KELI DIGITAL LOADCELL BALL AND CAP

Capacity 10 -100 t

Durability due to hardened, wear-resistant materials, High-grade alloy steel or stainless steel, nickel-plated for corrosion resistance.

They are commonly used in **truck weighbridges, tank/hopper weighing systems, and industrial weighing machines.**

Designed for **high accuracy and heavy-duty applications.**

They are usually **hermetically sealed** for protection against dust, moisture, and harsh environments, IP67 / IP68 (dustproof & waterproof, suitable for outdoor weighbridges).

LOADCELLS



ZEMIC LOADCELL H8C

The H8C is a **high-accuracy shear beam load cell** designed for **medium to heavy-capacity weighing applications**. It is one of ZEMIC's most widely used load cells, especially in **platform scales, floor scales, and hopper/tank weighing systems**.

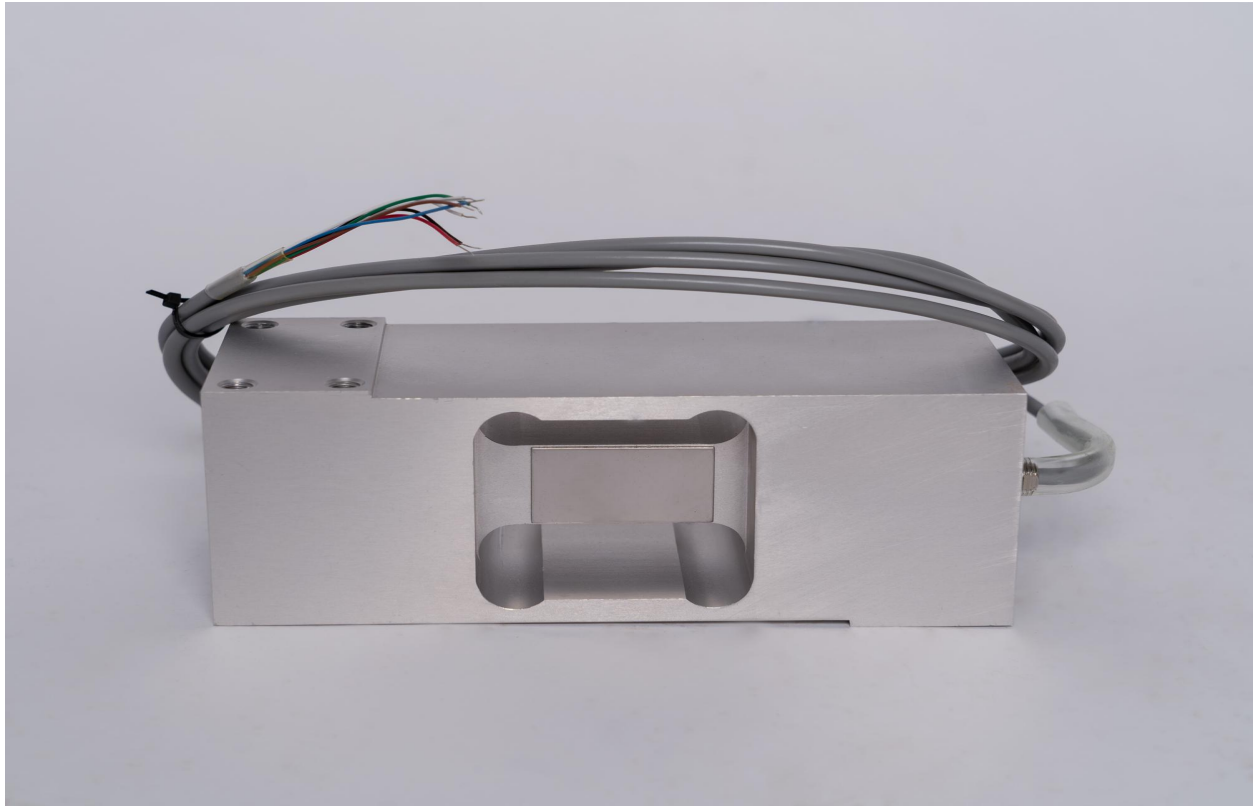
Type: Shear Beam Load Cell Provides excellent accuracy and is commonly used in **medium to heavy weighing systems**.

Material: Alloy Steel, Nickel Plated Strong and durable material, designed to withstand heavy loads without permanent deformation.

Capacity Range: 100 kg → 10,000 kg Wide range makes it versatile for many applications — from **small floor scales to large platform scales**. Ideal for both **light industrial use** and **heavy-duty applications**

Sealing Protection: IP68. IP68: Hermetically sealed, suitable for **continuous immersion** and harsh outdoor use. This makes the H8C suitable for **wet environments, food processing plants, and outdoor weighbridges**.

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Zemic loadcell l6t

The **L6T** is a **single-point aluminum load cell** designed for **platform and bench scales**. It is optimized for **medium-size weighing platforms** while maintaining high accuracy. With OIML certification, it is widely used in **retail, industrial, and packaging applications**.

Type: Single Point Load Cell Measures load applied at a single point, compensating for off-center loading. Ideal for **bench scales and medium platform scales**.

Material: Aluminum Alloy (Anodized) Lightweight yet durable construction. Anodized finish provides corrosion resistance, making it suitable for indoor and semi-industrial use.

Capacity Range: Covers small to medium capacity weighing needs. Suitable for retail scales, parcel weighing, and packaging machines..

Recommended Platform Size: Up to 600 × 600 mm Designed for **medium-size scales**. Maintains accuracy across the platform (compensated for eccentric loading).

Sealing Protection: IP65 Dust-tight and protected against low-pressure water jets.

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AVAILABLE ON REQUEST

Overview

VPG Transducers offers a wide array of precision load cells, including single-point, beam, tension/compression, and bending types. Known for rugged designs, excellent sealing, and high accuracy, they're commonly used in industrial, packaging, and harsh environment applications.

Product Highlights

652 Single-Point Load Cell (Aluminum)

- **Description:** Aluminum single-point (moment-insensitive), ideal for platform scales and packaging systems; double-epoxy sealed for damp environments.
- **Capacities:** 50 to 1,000 kg.
- **Accuracy:** OIML R-60 C3 or CC.
- **Platform Size:** Up to 900 × 900 mm.
- **Sealing:** Fully sealed (double epoxy) for industrial environments

Models 615 / 616 Tension-Compression Load Cells

- **615 (Alloy Steel) / 616 (Stainless Steel)**
- **Capacities:** 50–1,000 kg.
- **Output:** ~2.0 mV/V with ±0.002 mV/V tolerance.

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- **Accuracy:** Class G, with total error as low as ± 0.02 % of rated output.
- **Temp Compensation:** -10°C to $+40^{\circ}\text{C}$ (compensated), safe -30°C to $+70^{\circ}\text{C}$.
- **Sealing:** IP67 (615), IP66 (616).
- **Features:** 6-wire sense circuit for temperature compensation, suited for hopper, belt scales, force testing.

Technical and Installation Notes

- For optimal performance: avoid welding near cells, secure proper mounting surfaces, use high-quality junctions, and perform regular maintenance.

Rice Lake Weighing Systems

Overview

Rice Lake offers a broad portfolio of load cells—from single-point and beam types to S-beams and high-capacity canisters—used widely in agriculture, retail, logistics, food processing, and industrial automation.

Product Highlights

RL32018 Series (Single-Ended Beam)

- **Material:** Alloy steel (coated) or stainless steel variants.
- **Capacities:** 250 to 20,000 lb.
- **Sealing:** Up to IP69K on stainless hermetic models.

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- **Approvals:** FM and NTEP approved (1,000–10,000 lb).
- **Cable:** 20 ft included; some models use PTFE jacket for harsh environments.

S-Beam Load Cells RL20000 Series

- **Type:** S-beam, ideal for suspended or conversion applications.
- **Versions:** RL20000I (alloy steel), RL20000SS/ST (stainless steel).
- **Capacities:** Up to 20,000 lb

PL Series (Onboard / Axle Scales)

- **PL9000-14, -22, -26, -50:** Low-profile shear beam cells for underbody or axle applications, with static ratings from 16,500 lb to 50,000 lb.
- **PL9110:** Double-ended shear beam, capacities from 2,000 lb to 20,000 lb.
- **PLSB-40K:** Hermetically sealed (IP68), output ~0.75 mV/V, static 40,000 lb.

Weigh Module & Canister Types

- **Modules for tanks/hoppers:** Stainless construction, bolt-in-place, capacities of 5–100 kN.
 - **Canister Cells:** High-capacity (up to 500,000 lb), hermetically sealed, alloy or stainless steel, excitation 5–15 VDC, bridge resistances 350–480 Ω .
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