Solutions for truck scales and weighbridges

Product overview

VPG force sensors

Celtron ▪ Revere ▪ Sensortronics ▪ Tedea-Huntleigh

VPGforcesensors.com

VPG Force Sensors is comprised of the Tedea-Huntleigh, Sensortronics, Revere and Celtron brands of Vishay Precision Group, Inc. (VPG). By uniting these four leading load cell manufacturers under one company, we created the largest load cell and transducer manufacturer worldwide.

With more than 50 years of experience solving diverse customer challenges from many different industries, we are positioned to provide the right resources to deliver the right standard or customized solution for virtually every industrial weighing, process control and force measurement application.

A complete solution for truck scales and weighbridges

VPG Force Sensors manufactures the widest range of products available for the truck scale and weighbridge industries.

Regardless of whether you are outfitting an analog system or a digital one, we provide:

- Compression load cells
- Double ended shear beams
- Weight indicators
- Large displays
- Surge-protection boxes
- Junction boxes
- Load cell mounts
- Instrumentation to suit your requirements

Compression load cells

OIML and NTEP approved load cells
Alloy steel and stainless steel construction
Environmental protection: IP68 Capacities from 5t to 100t
ATEX and FM available. Surge protection available

Double ended shear beam load cells

OIML and NTEP approved load cells
Alloy steel and stainless steel construction
Environmental protection: IP67 and IP68
Capacities from 10 to 125k lbs 10t to 50t. ATEX and FM available

Mounts for weighbridge load cells

Suit many of the featured load cells
High-quality components. Rocker and self-aligning construction Alloy steel or stainless steel construction low-profile design. Composite rubber mounts available

Indicator

Specially designed as a weighbridge terminal
Large 16-character LCD readout with backlight
27-key alphanumeric and functional keyboard
OIML and NTEP approved
Stainless steel or aluminum enclosures
Interface to ticket printer, large display and PC interface

Display and accessories

57mm LED, 6-digit display

Analog junction box (4, 6 and 10 load cells)

Weighbridge surge protector

Advanced digital capabilities

The VPG Force Sensors digital system provides many advanced features that are not available with analog systems. Together with our newly developed weight indicator for digital load cells, this system offers:

- **Digital calibration**
- **Digital corner compensation**
- **Easy installation**
- **Easy maintenance**
- **Storage of digital load cell parameters**
- **Extensive internal diagnostics**
- **Open communication protocol**
- **RS422 and RS485 digital communication**
- **Opto-isolated weigh set points**
- **Communication with a ticket printer and large display**

Digital load cells

OIML approved load cells
Alloy steel and stainless steel construction
Environmental protection: IP67 and IP68
Capacities from 10t to 100t

Indicator for digital load cells

Dual scale operation (one digital, one analog)
Specially designed as a weighbridge terminal
Large 16-character LED readout with backlight
27-key alphanumeric and functional keyboard
Stainless steel or aluminum enclosures
Alibi (Flash) memory and programmable database of transaction records
Four programmable ticket formats
Two serial ports with printing and networking

VPG Force Sensors develops and manufactures the world's most advanced force measurement sensors and solutions, delivering optimal performance and empowering tomorrow's innovations. With our renowned brands, we offer the largest range of load cells, weighing instruments and accessories available from a single-source supplier. Chosen for their high accuracy, uncompromising quality and long-lasting reliability, our products are implemented in millions of machines, devices and systems around the world. Due to our large manufacturing capacity, fast turnaround on orders, high product quality and competitive cost structure, we are a leading load cell supplier to many industries and markets. VPG Force Sensors is part of VPG (Vishay Precision Group), a global leader in precision measurement sensing technologies.

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