



VISHAY INTERTECHNOLOGY, INC.

LOAD CELLS

# SOLUTIONS FOR TRUCK SCALES AND WEIGHBRIDGES

Vishay Transducers

PRODUCT OVERVIEW





# Products

Load Cells, Instruments, and Accessories

## Compression Load Cells

### Features and Products

- OIML and NTEP approved load cells
- Stainless steel construction
- Environmental protection: IP68

- Capacities from 5 to 100 ton
- ATEX and FM available
- Surge protection available

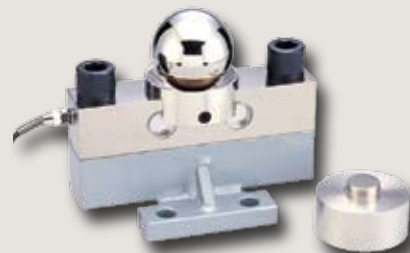


## Double Ended Shear Beam Load Cells

### Features and Products

- OIML and NTEP approved load cells
- Alloy steel and stainless steel construction
- Environmental protection: IP67 and IP68

- Capacities from 10 to 125 klb, 10 to 50 ton
- ATEX and FM available

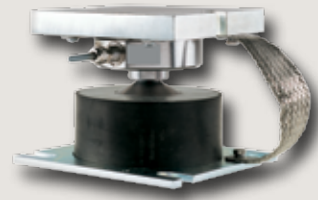
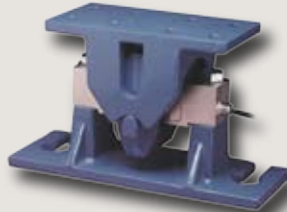




## Mounts for Weighbridge Load Cells

### Features and Products

- Suits 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

### Features and Product

- 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

### Products

57 mm LED, 6-digit display

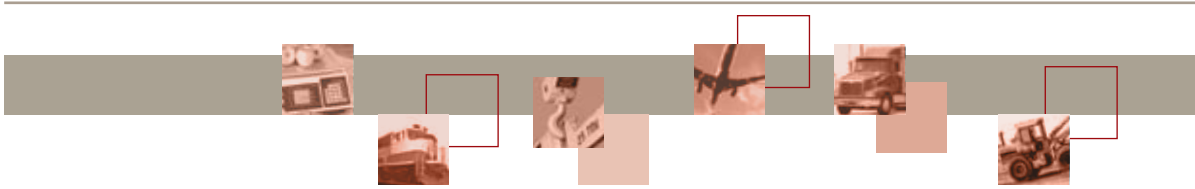


Analog Junction Box (4, 6, and 10 load cells)



Weighbridge Surge Protector





## Solutions for Digital Applications

Vishay Transducers offers an innovative solution for digital truck scales and weighbridges. Our 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 provides:

- 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

#### Features and Products

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



### Indicator for Digital Load Cells

#### Features and Product

- 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



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# Truck Scales and Weighbridges

Vishay Transducers

Vishay Transducers includes Vishay Tedea-Huntleigh, Vishay Sensortronics, Vishay Celtron, and Vishay Revere, manufacturers of load cells, weight indicators, and weighing accessories for over 30 years. At Vishay Transducers, we employ the most advanced strain gage technology. Our experience and design capabilities enable us to provide the widest range of standard and custom-made products for our customers.

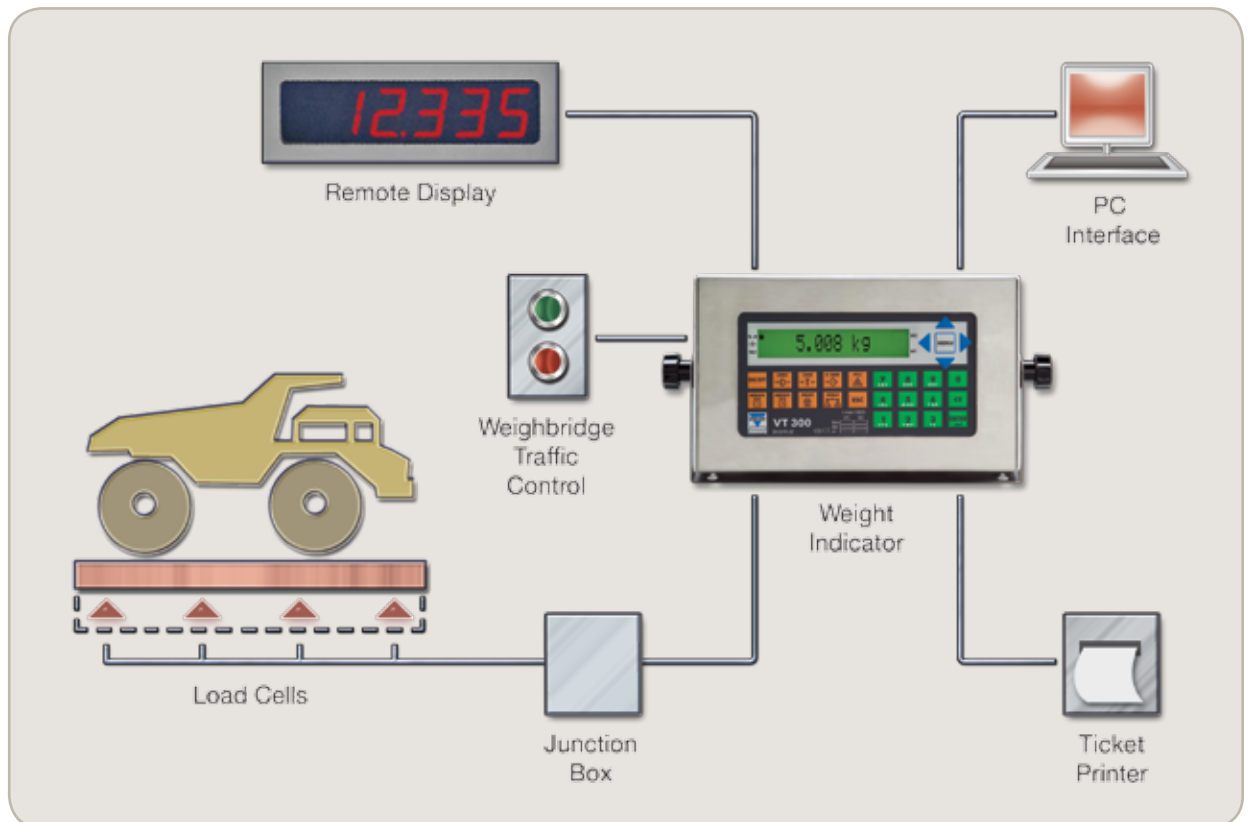
Vishay Transducers is a division of Vishay Measurement Group, the world's leading manufacturer of strain gages for weighing and stress analysis applications, load cells, and strain gage based weighing systems.

## Complete Solution for Truck Scales and Weighbridges

Vishay Transducers manufactures the widest range of products available for the truck scale and weighbridge industry.

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



Customers requiring Legal-for-Trade and Environmental certifications are also accommodated with the following approvals:



**VISHAY MEASUREMENTS GROUP:**

Vishay Micro-Measurements  
Vishay Transducers  
Vishay Systems—Weighing and Force Measurements



One of the World's Largest  
**Manufacturers**  
of Discrete Semiconductors and Passive Components

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