



VISHAY INTERTECHNOLOGY, INC.

LOAD CELLS

## VISHAY TRANSDUCERS

Vishay Celtron • Vishay Revere  
Vishay Sensortronics • Vishay Tedea-Huntleigh

CAPABILITIES





# Vishay Transducers

## Vishay Transducers, A Division of Vishay Intertechnology

Vishay Transducers is a division of Vishay Intertechnology, Inc., a Fortune 1,000 Company listed on the NYSE (VSH). With manufacturing and sales locations in the Americas, Europe, and Asia, Vishay is one of the world's largest manufacturers of discrete semiconductors (diodes, rectifiers, transistors, and optoelectronics and selected ICs) and passive electronic components (resistors, capacitors, inductors, sensors, and transducers).

Vishay Transducers includes Vishay Tedea-Huntleigh, Vishay Sensortronics, Vishay Revere, and Vishay Celtron, providers of weighing and force measurement products for over 50 years. Vishay load cells use the most advanced strain gage technology available. Our experience, combined with our design capabilities, makes it possible for us to provide a wide range of standard and custom-made products and solutions for our customers.

Vishay Transducers is the world's leading load cell manufacturer.

## Quality Assured

Throughout our worldwide operations, we at Vishay Transducers have a commitment to quality. Experienced and qualified technicians, whose work is thoroughly inspected at every stage, use only premier-quality gages with full traceability. The entire organization is approved to ISO 9000.

Many of our load cells and indicators are OIML- and NTEP-approved. Many of our load cells are also ATEX- or FM-certified for use in potentially hazardous areas.

By using Vishay Micro-Measurements (VMM) strain gages, our customers can be sure that they are using the best components available. Quick turnover of materials in our production facilities means that we use new materials all the time.

## Leading Product Portfolio

Merging four leading load cell manufacturers into one company created the largest load cell and transducer manufacturer worldwide. Our product portfolio ranges from bonding products to load cells, and from analog weigh indicators to digital weighing solutions.

Our strategically placed sales offices in Europe, the USA, and Asia provide full customer support. Multilingual sales teams enable us to communicate with customers in their native languages, including English, Spanish, Russian, French, German, Chinese, Arabic, Dutch, and Hebrew. In addition, we support a worldwide network of distributors. Our sales engineering team provides technical support and shares knowledge and experience with customers.

## Exceeding Customer Expectations

We have experience working with diverse customers in many different industries. This experience, together with our broad product portfolio, enables us to provide products for virtually every weighing and force measurement application. We partner with our customers, with the goal of exceeding their expectations.



# Vishay Transducers

## Products

### Load Cells

Description	Product
<b>Single Point</b>	
Low-Capacity Single-Point Aluminum	
High-Capacity Single-Point Aluminum	
Single-Point Stainless Steel	
Single-Point Hermetically Sealed Stainless Steel	
<b>Shear Beam</b>	
Steel Shear Beam	
Stainless Steel Hermetically Sealed Shear Beam	
<b>Double-Ended Shear Beam</b>	
Double-Ended Shear Beam	

Description	Product
<b>Compression</b>	
Compression Disk	
Multi-Column Compression	
Canister	
<b>Tension/Compression</b>	
S-Type Steel	
S-Type Hermetically Sealed Stainless Steel	
<b>Damped</b>	
Oil Damped	
<b>Bending Beam</b>	
Stainless Steel Bending Beam	



## Industrial

- Batching and mixing machines
- Belt conveyor scales
- Crane weighing
- Force measurement
- Dynamometers
- Universal test machines
- Process weighing
- Dynamic weighing



## Retail

- Bench scales
- Grocery scales
- Jewelry scales



## Packaging

- Checkweighing
- Multi-head weighing
- Filling machines
- Loss-in-weight feeders
- Bag filling
- Liquid filling
- Rotary filling machines

## Medical

- Bonding
- Patient bed weighing
- Bionic knee and ankle
- Pharmaceutical scales
- Personal scales
- Infusion pumps
- Mammography
- Dialysis
- IV bag weighing



## Transportation

- Truck scale/weighbridge
- Railroad track scales
- Railway safety
- Onboard weighing
- Racing cars
- Extensometers for testing



### Agricultural

- Animal weighing
- Tractor draft pins
- Marine hybrid scales



### Safety

- Overload for elevators
- Fence sensor
- Crane safety
- Theater curtain control
- Tilt sensor



### Inventory and Warehouse

- Floor scale
- Counting scales
- Tank and silo weighing
- Bin and hopper weighing
- Pallet truck weighing
- Extensometers for level control



edge



lescopic handlers



## Digital Load Cells

Description	Product
Canister	
Shear Beam	
Damped	
Double-Ended Shear Beam	

## Instruments

Description	Product
Weight Indicator	
Analog Weighbridge Indicator	
Digital Weighbridge Indicator	
Junction Box	

## Bonding Services

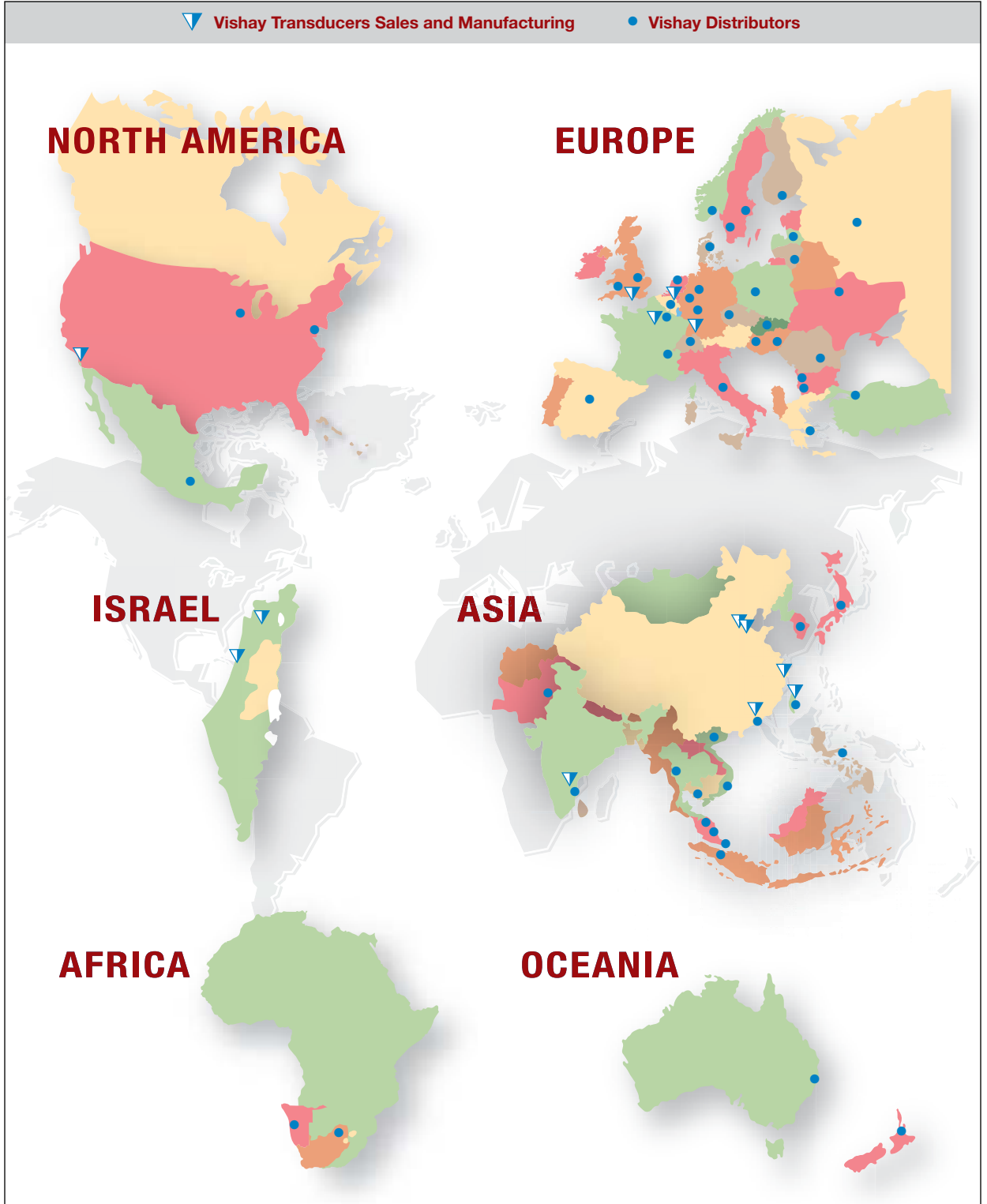
One-Off or High-Volume Production	
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## Mounts

Mounts for Shear Beams	
Mounts for Canisters	
Mounts for Compression	

## Extensometers

Load Sensor and Moment Indicator	
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**NOTICE** Specifications of the products displayed herein are subject to change without notice. Vishay Intertechnology, Inc., or anyone on its behalf, assumes no responsibility or liability for any errors or inaccuracies. Information contained herein is intended to provide a product description only. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Vishay's terms and conditions of sale for such products, Vishay assumes no liability whatsoever, and disclaims any express or implied warranty, relating to sale and/or use of Vishay products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright, or other intellectual property right. The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Vishay for any damages resulting from such improper use or sale.

**VISHAY MEASUREMENTS GROUP:**

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



The World's Largest  
**Manufacturer**  
of Weighing and Force Measurement Transducers

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