



VISHAY INTERTECHNOLOGY, INC.

LOAD CELLS

LOAD CELLS

Vishay Tedea-Huntleigh



PRODUCT OVERVIEW



Load Cells

Vishay Tedeá-Huntleigh



Aluminum Single-Point Load Cells


- Insensitive to off-center loading
- Common applications include bench scales, counting scales, retail scales and process weighing
- Versatile size and mounting
- Low cost
- Typical accuracy is 0.02%

Product	Features	Capacities
1002 	<ul style="list-style-type: none"> • Low capacity and compact (0.5" height) with 0.1% total error • Platform size: 8" x 8" • IP66 	0.5, 1, 2, 3, 5, 8, 15, 20 kg
1004 	<ul style="list-style-type: none"> • Low capacity with accuracy to 0.0067% total error and 1.25" height • Platform size: 8" x 8" • OIML, IP66 	0.3, 0.6, 1.5, 3 kg
1006 	<ul style="list-style-type: none"> • Low capacity, low profile, compact (0.87" height, 2.75" length) • Platform size: 8" x 8" • IP66 	2, 3, 5 kg
1010/1015 	<ul style="list-style-type: none"> • Industry standard 2.5" height • Platform size: 16" x 16" • NTEP 5000, ATEX, FM, IP65, IP67 (Optional) 	3, 5, 7, 10, 15, 20, 30, 50, 90 kg
1022 	<ul style="list-style-type: none"> • Low profile (0.87" height) • Platform size: 14" x 14" • OIML, NTEP, ATEX, FM, IP66 	3, 5, 7, 10, 15, 20, 30, 35, 50, 100, 150, 200 kg
1030 	<ul style="list-style-type: none"> • Low (1.28") height profile, 3-beam cell • Platform size: 14" x 14" • OIML, ATEX, FM, IP65, IP67 (optional) 	2, 3, 5, 7, 10, 15 kg
1040/1041/ 1042 	<ul style="list-style-type: none"> • High accuracy, 2- or 3-beam, 1.57" height • Platform size: 16" x 16" • OIML 6000, NTEP 5000, ATEX, FM, IP65, IP67 (optional), IP66 (2-beam) 	1, 3, 5, 7, 10, 15, 20, 30, 50, 75, 100, 150, 250 kg
1242 	<ul style="list-style-type: none"> • High accuracy, 2- or 3-beam, mid-range, 1.5" height • Platform size: 16" x 16" • OIML 6000, ATEX, FM, IP66 	50, 100, 150, 200, 250 kg
1250/1252 	<ul style="list-style-type: none"> • Industry standard, 3-beam, high-capacity, 3" height • Platform size: 24" x 24" • OIML 3000, NTEP 5000, ATEX, FM, IP65, IP67 (optional) 	50, 75, 100, 150, 200, 250, 300, 500, 635, 750, 1000 kg
1260 	<ul style="list-style-type: none"> • Low profile (2.5" height), 2-beam, high capacity • Platform size: 24" x 24" • OIML 3000, NTEP 5000, ATEX, FM, IP66 	50, 75, 100, 150, 200, 250, 300, 500, 635, 660 kg
1263 	<ul style="list-style-type: none"> • Low cost, 2.5" height • Platform size: 24" x 24" • OIML 3000, ATEX, IP66 	50, 100, 150, 200, 250, 300, 500, 635 kg
1320 	<ul style="list-style-type: none"> • High-capacity, high moment insensitivity, 5" height • Platform size: 48" x 48" • OIML 3000, NTEP 3000, ATEX, FM, IP66 	1000, 1500, 2000 kg








Stainless Steel Single Point

- Insensitive to off-center loading
- Versatile size and mounting
- Common applications include washdown applications such as food processing, handling and packaging
- Typical accuracy is 0.02%

Product	Features	Capacities
1130 	<ul style="list-style-type: none"> • 1.18" height, 2-beam • Platform size: 16" x 16" • OIML 6000, NTEP 4000, IP66, ATEX, FM 	7, 10, 15, 20, 30, 50, 75, 100 kg
1140/1142 	<ul style="list-style-type: none"> • 1.57" height, 2- or 3-beam, alternative to the 1042 • Platform size: 16" x 16" • OIML 3000, ATEX, IP66 	10, 15, 20, 30, 50, 75, 100, 150 kg
1510 	<ul style="list-style-type: none"> • Hermetically sealed, high-capacity platform cell, 2.9" height • Platform size: 24" x 24" • OIML 4000, NTEP 5000, FM, ATEX, IP68 	100, 250, 500 kg

Beam Load Cells

- Output matched to 0.1% R.O. for multi-cell usage

Product	Features	Capacities
355 	<ul style="list-style-type: none"> • Hermetically sealed, stainless steel, single-ended beam • OIML 4000, NTEP 4000, ATEX, FM, IP68 	5, 10, 20, 30, 50, 100, 200, 250, 500 kg
3410/3420 	<ul style="list-style-type: none"> • Industry standard shear beam, available in stainless steel and nickel-plated steel; loading hole options: threaded and non-threaded • OIML 3000, NTEP 5000, ATEX, FM, IP67 	250, 500, 1000, 2000 kg 1000, 1500, 2500, 4000, 5000, 7500, 10000 lbs
3520 	<ul style="list-style-type: none"> • Stainless steel, low (0.75" – 1.1") profile, economical version of the stainless steel 3410 load cell • OIML 6000, ATEX, IP67 	500, 1000, 2000 kg
3510 	<ul style="list-style-type: none"> • Stainless steel, hermetically sealed shear beam; loading hole options: "T-end"; half- or fully threaded hole. • OIML 6000, NTEP 5000, ATEX, FM, IP68 	300, 500, 750, 1000, 1200, 2000, 3000, 5000 kg
4158 	<ul style="list-style-type: none"> • Electroless-nickel-plated steel, double-ended beam cell • NTEP 10000, ATEX, IP67 	10000, 20000, 25000, 40000, 50000, 60000, 75000 lbs




Damped Load Cells

- Fast settling times down to 0.050 seconds

Product	Features	Capacities
240 	<ul style="list-style-type: none"> • Epoxy-coated steel / stainless steel enclosure • OIML, NTEP, IP66 	2, 3, 5, 7, 10, 15, 20, 30, 50 kg
240D 	<ul style="list-style-type: none"> • Digital damped load cell • Epoxy-coated steel / stainless steel enclosure • RS232 / RS485 output with MOD BUS • IP65, CE 	2, 3, 5, 7, 10, 15, 20, 30, 50 kg
9010 	<ul style="list-style-type: none"> • Stainless steel or electroless-nickel-plated aluminum • Tare weight cancellation according to customer needs • Patent No. 5.232.062 • IP65 	3, 5, 7, 10, 15, 20, 30, 50 kg
9010D 	<ul style="list-style-type: none"> • Digital damped load cell • Stainless steel or electroless-nickel-plated aluminum • RS232 / RS485 output with MOD BUS • CE, IP65 	2, 3, 5, 7, 10, 15, 20, 30, 50 kg
1410 	<ul style="list-style-type: none"> • Aluminum construction • Insensitive to rotational dynamic forces • IP65 	10, 20, 30 kg
1430 	<ul style="list-style-type: none"> • Stainless steel washdown enclosure • Insensitive to rotational dynamic forces • IP66 	3, 7, 10 kg

Compression Load Cells

- Heavy duty
- Matched output for multi-cell applications

Product	Features	Capacities
120/121/122 	<ul style="list-style-type: none"> • Stainless steel, hermetically sealed; accuracy to 0.02% of R.O • IP68, ATEX 	5, 10, 20, 30, 50, 100, 150 ton
220 	<ul style="list-style-type: none"> • Stainless steel; hermetically sealed bending ring; accuracy to 0.017% of R.O. • OIML 6000, NTEP 10000, ATEX, FM, IP68 	5, 10, 20, 30, 50 ton



S-Type Load Cells

- Industry standard tension or compression loading
- Accuracy to 0.02% of R.O.

Product	Features	Capacities
614 	<ul style="list-style-type: none">• Low cost, aluminum construction• OIML, IP67, ATEX	50, 100, 150, 200, 300, 500 kg
615/616 	<ul style="list-style-type: none">• Nickel-plated alloy steel or stainless steel construction• IP67, ATEX	50, 100, 150, 200, 300, 500, 750, 1000 kg
619 	<ul style="list-style-type: none">• Nickel-plated alloy steel construction• ATEX	1500, 2000, 3000, 5000 kg
620 	<ul style="list-style-type: none">• Stainless steel, hermetically sealed• OIML 3000, NTEP 3000, ATEX, FM, IP68	500, 1000, 2000, 5000 kg

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



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

WORLDWIDE SALES CONTACTS

THE AMERICAS

UNITED STATES

VISHAY TRANSDUCERS AMERICAS
801 SENTOUS AVENUE
CITY OF INDUSTRY, CA 91748
UNITED STATES
PH: +1-800-872-4784 (TOLL FREE*)
+1-626-858-8899
FAX: +1-626-332-3418
E-MAIL: VT.US@VISHAYMG.COM
*US ONLY, OUTSIDE CALIFORNIA

ASIA

TAIWAN, R.O.C.

VISHAY TRANSDUCERS TAIWAN*
15 FL, NO. 86, SEC.1 SHINTAI 5TH RD.
SIJHIH CITY, TAIPEI, 22102
TAIWAN, R.O.C.
PH: +886-2-2696-0168
FAX: +886-2-2696-4965
E-MAIL: VT.ROC@VISHAYMG.COM
*ASIA EXCEPT P.R.C.

P.R.C.

VISHAY TRANSDUCERS CHINA
NO. 5 BINGUAN NAN DAO YOUYI RD.
HEXI DISTRICT
CODE 300061, TIANJIN, P.R.C.
PH: +86-22-2835-3503
FAX: +86-22-2835-7261
E-MAIL: VT.PRC@VISHAYMG.COM

EUROPE

UNITED KINGDOM

VISHAY MEASUREMENTS GROUP UK
STROUDLEY ROAD, BASINGSTOKE
HAMPSHIRE RG24 8FW
UNITED KINGDOM
PH: +44-125-646-2131
FAX: +44-125-647-1441
E-MAIL: VT.UK@VISHAYMG.COM

NETHERLANDS

VISHAY TRANSDUCERS THE NETHERLANDS
RAMSHOORN 7
P.O. BOX 6909
4802 HX BREDA
THE NETHERLANDS
PH: +31-76-548-0700
FAX: +31-76-541-2854
E-MAIL: VT.NL@VISHAYMG.COM

GERMANY

VISHAY MEASUREMENTS GROUP GERMANY
TATSCHENWEG 1
74078 HEILBRONN
GERMANY
PH: +49-7131-3901-260
FAX: +49-7131-3901-2666
E-MAIL: VT.DE@VISHAYMG.COM

ISRAEL

VISHAY MEASUREMENTS GROUP ISRAEL
5 HAZORAN STREET
P.O. BOX 8381, NEW INDUSTRIAL ZONE
NETANYA 42506
ISRAEL
PH: +972-9-863-8888
FAX: +972-9-863-8800
E-MAIL: VT.IL@VISHAYMG.COM

FRANCE

VISHAY MEASUREMENTS GROUP FRANCE
16 RUE FRANCIS VOVELLE
28000 CHARTRES
FRANCE
PH: +33-2-37-33-31-20
FAX: +33-2-37-33-31-29
E-MAIL: VT.FR@VISHAYMG.COM

Regional Distributor



803, Riqqa Palace Building
Al-Maktum Ave.
P.O.Box 181802 Dubai, UAE
Tel: +9714 - 2270081
Fax: +9714 - 2239962
E-mail: rcsco@eim.ae
www.rcs-co.com

www.vishaymg.com

www.vishay.com