

# Standard Product Overview



Load Cells



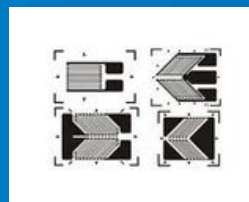
Weighing Accessories



Electronics



Miniature Load Cells



Strain Gauges

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**Your partner in force measurement**

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Zemic Europe is your partner in force measurement. As a manufacturer of strain gauges, we design and produce force sensors and load cells all based on the strain gauge principle.

With our high tech production facilities and engineering capacity we are able to produce prototypes and scale up to serial production. We ensure your measurements are not just precise, but also reliable.

We offer over 1.000 standardized force sensors from 20 grams up to 1000 tonnes. With over 60.000 load cells available from stock in the Netherlands, we offer you the best quality / service/ price ratio in Europe.

Our mission? Creating value for you in order that you can differentiate your products and services in the market!

We believe we make you stronger!

## Certification



OIML legal  
for trade EU



ATEX certificates  
gas and dust



Certificates of  
compliance



Certificates of  
conformity USA



Certificates of  
compliance UK



Declaration of  
conformity



Explosion protection  
China



NTEP legal  
for trade USA

All certificates are available on our website. Please check the datasheet for the most actual information and applicable certificates for each load cell ([www.zemiceurope.com](http://www.zemiceurope.com)).










# Single Point Load Cells

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Product	Capacity/ platform size (mm)	Features	Product	Capacity/ platform size (mm)	Features
 L6B	0,3kg-3.0kg 200 x 200	Aluminium	 L6C	3kg-50kg 350 x 450	Aluminium C3
 L6D	3kg-50kg 250 x 350	Aluminium C3/C4/C5	 L6E	50kg-500kg 400 x 400	Aluminium C3/C4/C5
 L6F	50kg-2t 1200 x 1200	Aluminium C3	 L6G	50kg-600kg 600 x 600	Aluminium C3/C4
 L6J	1kg-20kg 200 x 200	Aluminium	 L6N	3kg-100kg 400 x 400	Aluminium C3/C4
 L6Q	50kg-250kg 400 x 400	Aluminium C3/C4/C5	 L6T	50kg-1000kg 600 x 600	Aluminium C3/C4
 L6W	50kg-635kg 600 x 800	Aluminium C3	 L6E3	50kg-500kg 450 x 450	Aluminium C3/C4/C5
 L6D8	75kg-200kg 350 x 350	Aluminium C3/C4	 L6D15	6kg-30kg 350 x 350	Aluminium C3/C5
 L6H5	4kg-20kg 200 x 200	Aluminium C3	 L6J1	0,3kg-3kg 200 x 200	Aluminium C2

# Single Point Load Cells

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Product	Capacity/ platform size (mm)	Features	Product	Capacity/ platform size (mm)	Features
 H6F	50kg-2t 1200 x 1200	Alloy Steel C3	 H6G	100kg-600kg 600 x 600	Alloy Steel C3
 BM6A	6kg-60kg 350 x 350	Stainless Steel C3	 BM6E	100kg-300kg 600 x 600	Stainless Steel C3
 BM6G	10kg-500kg 800 x 800	Stainless Steel C3/C4/C5	 B6F	50kg-2t 1200x1200	Stainless Steel C3
 B6G	100kg-600kg 600 x 600	Stainless Steel C3	 B6N	8kg-200kg 400 x 400	Stainless Steel C3/C4
 DL6Dd30	10kg 250 x 350	Digital, RS485 Aluminium-alloy C3			

## Bending/Shear Beam Load Cells

Product	Capacity	Features	Foot	Mount
 BM11	5kg-500kg	Stainless Steel C3/C4/C5/C6 IP68	 BJ-11-220	 BM-11-402

# Bending/Shear Beam Load Cells

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Product	Capacity	Features	Foot	Mount
 <p>H8C</p>	100kg -10t	Alloy Steel C3/C4/C5 IP67	 <p>HJ- 8- 201</p>	 <p>HM-8-901</p>
 <p>B8D</p>	250kg-5t	Stainless Steel C3/C4/C5 IP67	 <p>BJ-8- 202</p>	 <p>HM-8-902</p>
 <p>B8Q</p>	200kg-2t	Stainless Steel C3 IP67	 <p>BJ-8- 202</p>	
 <p>BM8D</p>	150kg-10t	Stainless Steel C3/C4/C5/C6 IP68	 <p>BJ-8- 202</p>	 <p>BM-8-906</p>
 <p>BM8G</p>	500kg-10t	Stainless Steel C3/C4 IP68	 <p>BM8G Elastomer</p>	 <p>BM-8-410</p>
 <p>BM8H</p>	500kg-5t	Stainless Steel C3 IP68	 <p>BJ-8-206</p>	 <p>BM-8-904</p>
 <p>H8</p>	500kg-30t	Alloy Steel C3 IP67	 <p>HY-8-101</p>	 <p>HM-8-401</p>
 <p>H8Q</p>	200kg-2t	Alloy Steel C3 IP67	 <p>HJ-8-213</p>	
 <p>HM8</p>	1t-50t	Alloy Steel C3 IP68	 <p>BY-8-110</p>	 <p>HM-8-407</p>

# Dual Shear Beam Load Cells

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Product	Capacity	Material	Features	Mount
 B9C	5k-250k	Stainless Steel	IP67	 HM-9-401
 H9C	5k-250k	Nickel Plated Alloy Steel	C3/C4 IP67	 HM-9-401
 HM9C	10k-75k	Nickel Plated Alloy Steel	C3 IP68	 HM-9-401
 HM9B	10t-50t	Nickel Plated Alloy Steel	C3 IP68	
 HM9E	50k-200k	Nickel Plated Alloy Steel	C3 IP68	
 H9Z2	0,5t-10t	Nickel Plated Alloy Steel	IP67	

## We made it: a brand new EHEDG load cell!









As a global leader for strain gauge and force measurement, Zemic saw a growing need for hygienic load cells. Especially from our customers in the food and medical industry. That is why our Zemic R&D team developed a new load cell, the BM24L10, in collaboration with EHEDG.

This load cell ensures food and pharma safety, in the whole production process, including weighing, filling and packaging.






# S-Type Load Cells

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Product	Capacity	Material	Features	Rod end
 <p>H3</p>	25kg-30t	Alloy Steel	C3/C4 IP67	 <p>HL-3-003</p>
 <p>H3G</p>	50kg-7.5t	Alloy Steel	C3 IP67	 <p>HL-3-003</p>
 <p>B3G</p>	50kg-10t	Stainless Steel	C3 IP67	 <p>HL-3-003</p>
 <p>BM3</p>	50kg-7.5t	Stainless Steel	C3 IP68	 <p>HL-3-003</p>

## Ring Torsion Load Cell

Product	Capacity	Material	Features	Mount
 <p>BM24R</p>	60kg-60t	Stainless Steel	IP68 C3/C4/C5/C6	 <p>BM-24-904</p>
 <p>BM24L10</p>	5t - 20t	Stainless steel	IP68 C1	







# Compression Load Cells

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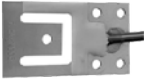

Product	Capacity	Features	Supports	Accessories
 <p>BM14A</p>	10t-200t	Stainless Steel C3 IP68	 <p>BY-14-101</p>	 <p>HM-14-420</p>
 <p>BM14C</p>	0.5t-50t	Stainless Steel C3/C4 IP68	 <p>BY-14-103</p>	 <p>BM-14-910</p>
 <p>BM14D</p>	10t-100t	Stainless Steel C2 IP68		
 <p>BM14G4</p>	10t-50t	Stainless Steel C3/C4 IP68	 <p>BY-14-126</p>	 <p>Mounting kit</p>
 <p>HM14H1</p>	30t-50t	Alloy Steel C3 IP68	 <p>Included</p>	
 <p>H14W</p>	2.8t-500t	Alloy Steel IP66	 <p>HY-14-147</p>	

# Spoke-Type Load Cells



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Product	Capacity	Material	Features	Mount
 H2F	1t-50t	Nickel Plated Alloy Steel	C1/C2/C3 IP67	 HM-2-401
 H2A	1MN-5MN 100t-500t	Nickel Plated Alloy Steel	IP67	 HM-2-401

## Planar Beam Load Cells

Product	Capacity	Material	Features
 L6P1	3.75kg - 375kg	Aluminium	C3 IP65
 L6P	22kg- 150kg	Aluminium	C3 IP65

## Portable Weighing Pad

Product	Capacity	Features	Accessory
 L15B	15t	Aluminium Rubber Ramp IP66	 DFWKRP

Product	Capacity	Material	Features	Mount
 H10J	15t	Nickel Plated Alloy Steel	IP67	
 HM9C	10K-75K	Nickel Plated Alloy Steel	C3 IP68	 HM-9-405
 B6F	50kg-2t	Stainless Steel	C3 IP67	
 BM8G	500kg-10t	Stainless Steel	C3/C4 IP68	

## Specials

If you have special requirements, we can design customized products. This applies to load cells, miniature sensors and strain gauges.

Zemic has a specially equipped sensor department, for the design, sampling and production of your custom made force sensors and strain gauges. Daily over 280 engineers are working on special custom made force sensor and strain gauge solutions.



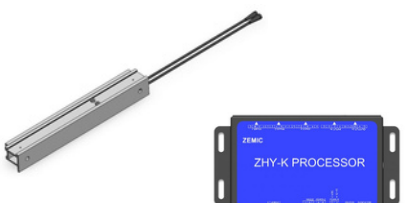
With the help of our engineers we can work together to find the best solution for your application. With our high tech production facilities and engineering capacity we are able to produce prototypes and scale up to serial production.

Product	Number of load cell connections	Material	Features
 <p>JB-SS304</p>	4 / 6 / 8 / 10	Stainless Steel	IP65
 <p>JXH-4Bs</p>	4	Stainless Steel	IP65
 <p>JB ATEX</p>	4 / 8	Stainless Steel	ATEX IP67
 <p>JB05A</p>	4 / 6 / 8	Cast Aluminium	IP66
 <p>JB06C</p>	3 / 4 / 6 / 8	Cast Aluminium	IP66
 <p>JB02C</p>	2 / 3 / 4	Cast Aluminium	IP66

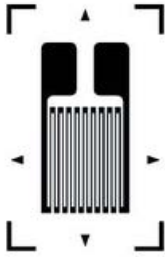
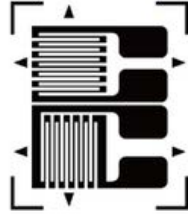
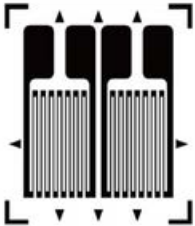


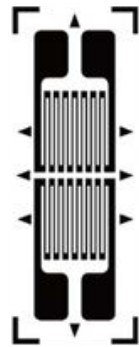

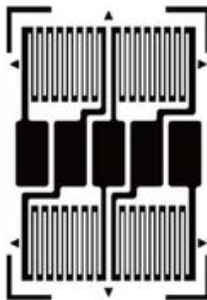
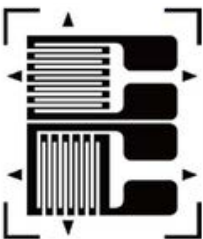

Product	Category	OIML type approval	Channels	Related products
 <p>Top-Sensors T1</p>	Transmitter/ Indicator	✓	1	 <p>Remote display</p>
 <p>Top-Sensors T1-4</p>	Multichannel Transmitter/ Indicator	✓	4	 <p>Remote display</p>
 <p>Top-Sensors I2</p>	Transmitter/ Indicator		4	 <p>Housing</p>
 <p>Top-Sensors T2-8</p>	Multichannel Transmitter/ Indicator		8	 <p>Housing</p>
 <p>XK3190-A12E</p>	Indicator	✓	1	
 <p>XK3190-A12SS</p>	Indicator (Stainless Steel)	✓	1	
 <p>Calog LC II</p>	Load Cell Tester		1	

Product	Category	Used For
	Elevator weighing kit: Under Cabin	Elevators
	Elevator weighing kit: Under Springs	Elevators
	Elevator weighing kit: Into Springs	Elevators
	Elevator weighing kit: Ropes	Elevators

## Object Identification Systems

Product	Category	Used For
	ZDY-Zx Object Identification Cross ZHY-K processor	Storage management, vending machines
	LCD14 Load Cell with A/D Converter ZHY-K processor	Storage management, vending machines
	ZDY-Cxx Object Identification Load Sensing Bar ZHY-K processor	Storage management, vending machines

Product	Capacity	Material	Product	Capacity	Material
 1B-S	5kg-70kg	Aluminium	 1T-JS	150kg	Aluminium
 1F6-SG	5kg	Aluminium	 1V3-350Z	5kg-25kg	Aluminium
 1HM	0,5kg-20kg	Aluminium	 1X1	300g-600g	Aluminium
 H2B	3110N	Nickel Plated Alloy Steel	 1Z	5Kg-30kg	Aluminium
 2A	15lb-50lb	Stainless Steel	 2F	20kg	Stainless Steel
 Q45	150g-750g	Aluminium	 1R1-KL	0,6kg-6kg	Aluminium
 Q70	20g-200g	Aluminium	 Q84	20g-100g	Aluminium

Geometry	Image	Size (mm)	Geometry	Image	Size (mm)
Linear strain gauge		Grid: Min: 1.0 x 1.9 Max: 20.0 x 4.1  Backing: Min: 4.2 x 1.4 Max: 26.8 x 5.9	90°-Rosette, 2 weighing directions		Grid: Min: 1.5 x 2.0 Max: 6.0 x 6.0  Backing: Min: 5.9 x 4.5 Max: 14.3 x 9.6
Double linear strain gauge		Grid: Min: 2.0 x 2.0 Max: 20.0 x 3.6  Backing: Min: 5.6 x 5.2 Max: 24.7 x 8.8	45°-Rosette, 3 weighing directions		Grid: Min: 1.0 x 1.9 Max: 20.0 x 4.1  Backing: Min: 4.2 x 1.4 Max: 26.8 x 5.9
Shear strain gauge		Grid: Min: 2.0 x 2.0 Max: 7.9 x 7.9  Backing: Min: 6.7 x 3.7 Max: 13.3 x 10.0	Half bridge strain gauge		Grid: Min: 1.5 x 2.5 Max: 3.2 x 4.2  Backing: Min: 8.9 x 3.8 Max: 19.0 x 5.6
Double shear strain gauge		Grid: Min: 1.9 x 2.2 Max: 5.7 x 6.1  Backing: Min: 6.0 x 4.9 Max: 10.9 x 10.5	Full bridge strain gauge		Grid: Min: 1.5 x 2.0 Max: 3.0 x 4.8  Backing: Min: 9.2 x 6.0 Max: 20.5 x 6.8
Columnar strain gauge		Grid: Min: 1.5 x 2.0 Max: 6.0 x 6.0  Backing: Min: 5.9 x 4.5 Max: 14.3 x 9.6	Membrane Rosette		Grid $\Phi$ : Min: 5.3 Max: 23,4  Backing $\Phi$ : Min: 6 Max: 22,2



# Impression production facility

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We have a fully automated production facility with unique strain gauge bonding machines, automatic corner correction and automated packaging lines.

With the help of automation Zemic has improved quality, efficiency, consistency, and effectiveness within our organisation.

Our customers will directly benefit from the improved automation!



Automated production lines  
with unique gauge bonding machines



Automated production lines  
with automatic potting machines

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