# Off Center load cell **PSTA5**

available with certification • ATEX

## General information

PWS17320261129

The off center load cell PSTA5, built in stainless steel, is robust and precise and has high performance at a competitive price. The single point load cell PSTA5 is ideal for large single-cell platforms. The off center load cell maintains accuracy in any position the object is loaded and this solves the problems that usually occur in weighing systems if the object does not bear exactly on the center of the cell. This type of cell is particularly used in the food packaging sector and for the construction of single-cell scales. The off center load cell PSTA5 has a 5 meter long shielded cable with 6 wires and is available with ATEX certification.



### Suggested related products

A highly performing weighing system must be accurate, perfectly calibrated and well maintained. In order to improve the load cell performance and to optimize its functioning, you may need the following products:

**Off Center load cell** C2G1

**Off Center load cell** CB004

**Off Center load cell** CB14

**Off Center load cell** U2D1

All indicated data may be changed without notice.
All the measures indicated are expressed in millimeters (mm).

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Industrial Electronic Weighing Systems since 1963

# Technical specifications

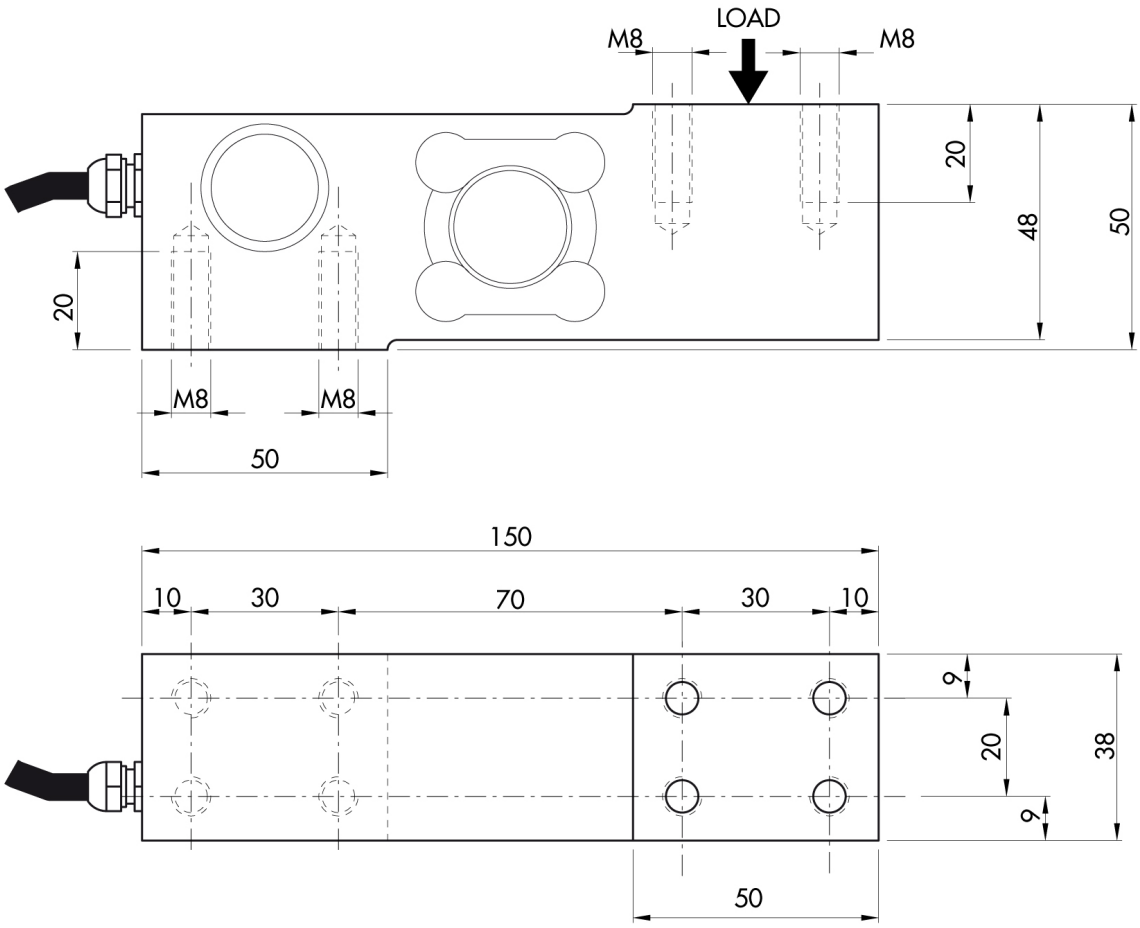
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|---|---|
| **Rated load (RL):** | 100, 150, 200, 300, 360, 500 Kg |
| **Combined error:** | ±0.05 % RO |
| **Repeatability:** | ±0,03 % full scale |
| **Creep (30 minutes):** | ±0.03 % RO |
| **Full scale non-Linearity:** | 0,03 % FS/°C |
| **Safe overload:** | 150 % full scale |
| **Gain drift:** | 0,002 % FS/°C |
| **Ultimate overload:** | 300 % full scale |
| **Material:** | Steel |
| **Degree of protection:** | IP68 |
| **Deflection:** | 0.2 ÷ 1.4 mm |
| **Compensated Temperature:** | -10 ÷ + 40 °C |
| **Temperature range:** | -20 ÷ + 70 °C |
| **Temperature effect on zero balance:** | ±0.003 % RO/°C |
| **Temperature effect on output:** | ±0.002 % output/°C |
| **Insulation resistance:** | > 2000 MOhm |
| **Input resistance:** | 380 ÷ 386 Ohm |
| **Output resistance:** | 350 ÷ 353 Ohm |
| **Maximum supply voltage:** | 15Vdc |
| **Hysteresis:** | 0,03 % FS |
| **Zero tollerance:** | 1 % FS |
| **Output tolerance:** | 0,1 % FS |
| **Maximum platform size (mm):** | 600 x 600 (100 - 150 kg), 800 x 800 (200 - 500 kg) |
| **Output signal:** | 2 mV/V |
| **Zero thermal drift:** | 0,003 % FS/°C |

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