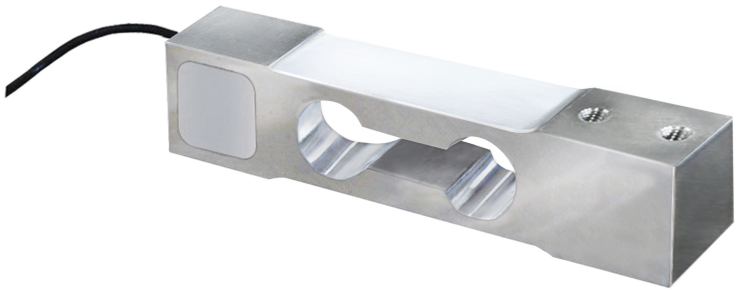
Off Center load cell **PSTA2**

available with certification • EAC • ATEX • OIML

General information

PWS24920240315

The PSTA2 off center load cell is particularly suitable for the construction of industrial and bench electronic scales, piece counters and packaging machines. The PSTA2 single point cell is able to measure correctly even with off-center loads and guarantees high precision, maximum reliability and long life. Pavone Systems also supplies the ATEX version on request. The PSTA2 off center load cell has a 4 meter long shielded cable with 4 conductors.



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

PWS24920240315

Rated load (RL):	6, 10, 15, 20, 25, 30, 35, 40 Kg
Combined error:	±0,05 % RO
Repeatability:	±0.03 % RO
Creep (30 minutes):	±0,03 % RO
Safe overload:	150 % Full scale
Gain drift:	±0,002 % Full scale
Ultimate overload:	300 % Full scale
Material:	Steel Inox AISI 431
Degree of protection:	IP65
Deflection:	0.2 ÷ 1.4 mm
Compensated Temperature:	-10 ÷ +50 °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:	349 ÷ 353 Ohm
Maximum supply voltage:	15Vdc
Maximum platform size (mm):	300 x 300
Output signal:	2 mV/V
Zero thermal drift:	±0,003 % full scale/°C

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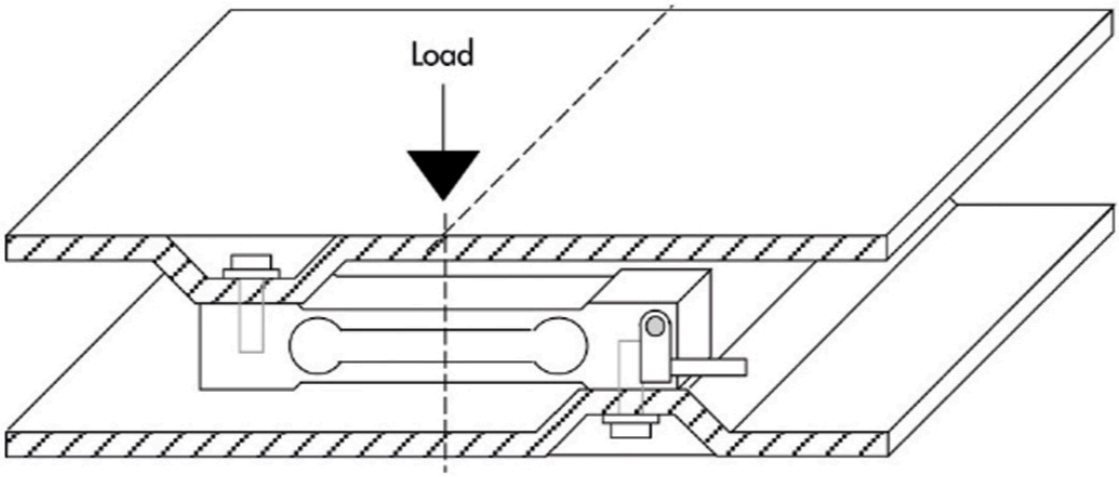

MOUNTING EXAMPLE

Electrical Connection	
+Excitation	Red
-Excitation	White
+Signal	Green
-Signal	Blue
Shield	Cable shield

Error is within 0.02% SN applied with 1/2 of capacity at the position of 75mm of eccentricity

The center of loading plate and the center of the load cell should be the same position

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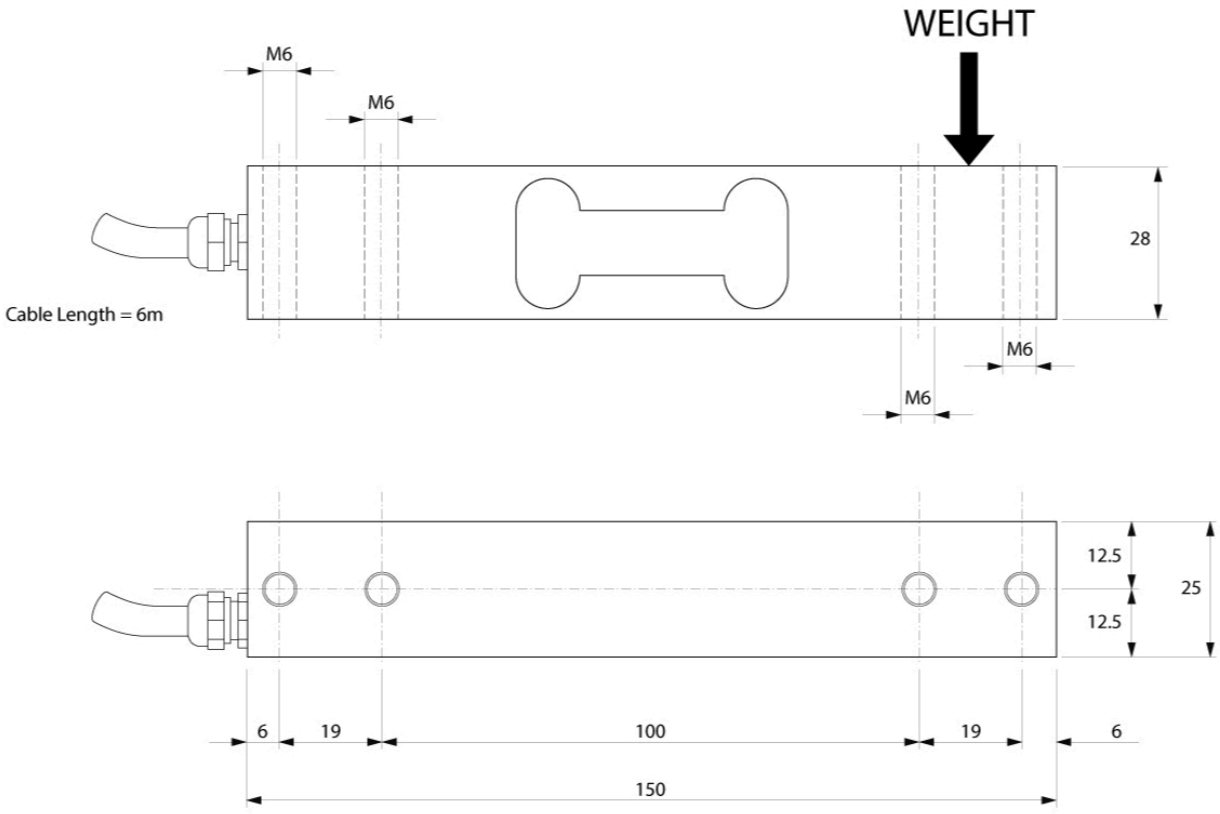

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