Shear beam load cells **SB**

available with certification • EAC • ATEX

General information

PWS1220240318

The SB shear beam load cell has excellent linearity and precision, excellent resistance to lateral loads of over 50% and has been designed for weighing hoppers and tanks and for constructing low-profile platforms. If used with the MH MOUNTING KIT mounting accessory it avoids the use of mechanical constraints. The SB cell is also equipped with watertight protection to work in severe environmental conditions and is available in a special high temperature version.

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:

Weight Transmitter DAT 1400

Weight Indicator MCT 1302

Mounting kits MKX ®

Mounting kits MH MOUNTING KIT

Tester 1008 TESTER 1008

Junction Box CGS4-C

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

PAVONE SISTEMI S.R.L.
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Industrial Electronic Weighing Systems since 1963

Technical specifications

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Rated load (RL):	75, 125, 250 Kg
Combined error:	±0.025 % RO
Repeatability:	± 0.01 % RO
Creep (20 minutes):	±0.03 % RO
Safe overload:	150 % RL
Ultimate overload:	300 % RL
Clamping force without any load:	75 Nm
Material:	Stainless steel
Degree of protection:	IP65
Deflection:	< 0.5 mm
Compensated Temperature:	-10 ÷ +40 °C
Temperature range:	-20 ÷ +70 °C
Temperature effect on zero balance:	±0.005 % RO/5°C
Temperature effect on output:	±0.005 % load/5°C
Rated output RO:	3 mV/V ±0.25 %
Zero balance:	±1 % RO
Insulation resistance:	>2000 M Ohm
Input resistance:	350 ±3 Ohm
Output resistance:	350 ±3 Ohm
Recommended input:	5 ÷ 15 Vdc/ac

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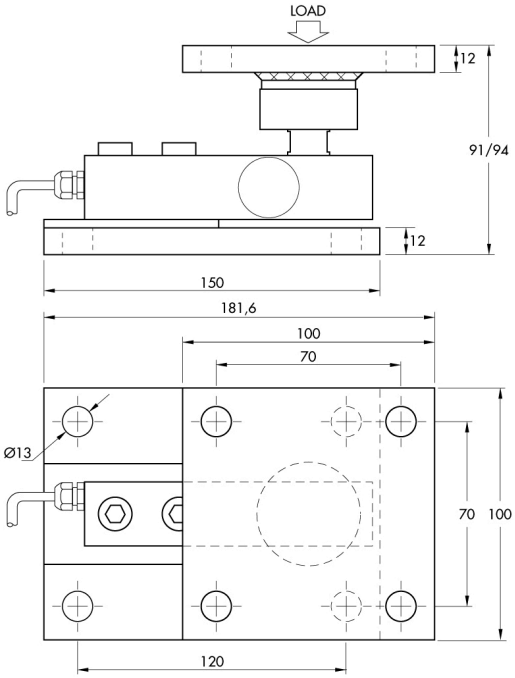

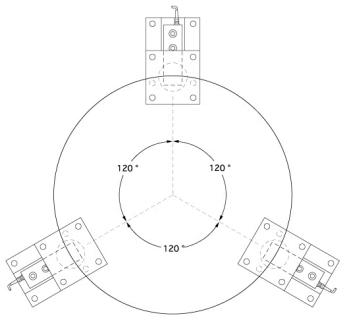

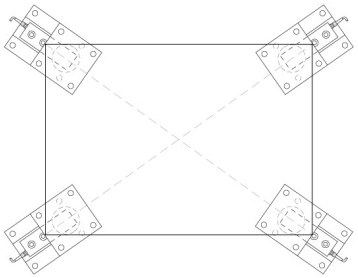

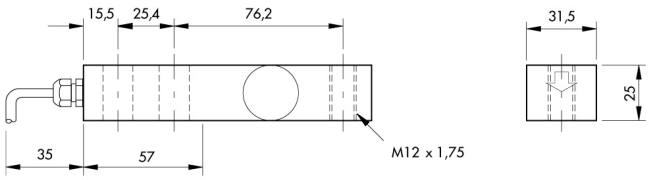

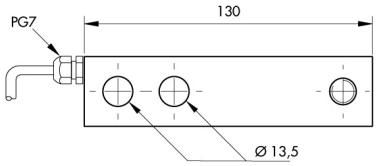

Electrical Connections	
+Excitation	Red
+Sense	Blue
-Sense	Brown
-Excitation	Black
+Signal	Green
-Signal	White
Shield	Cable Shield

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