Shear beam load cells **PSD800**

available with certification • ATEX • OIML • NTEP

General information

PWS14220261105

The PSD800 shear beam load cell, made of stainless steel and hermetically sealed, is suitable for platforms, hoppers and pallets. The PSD800 shear beam load cell guarantees high precision up to 6000 divisions and has a 6-meter long cable.



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

PAVONE SISTEMI S.R.L.
Via Tiberio Bianchi 11/13/15, 20863 Concorezzo (MB), Milan, Italy
T (+39) 039 9162656 **F** (+39) 039 9162675 **W** pavonesistemi.com
Industrial Electronic Weighing Systems since 1963

Technical specifications

PWS14220261105

Rated load (RL):	150, 300, 500, 1000, 1500, 2000, 2500, 3000, 5000 Kg
Combined error:	±0.023 % RO
Repeatability:	±0.01 % RO
Creep (30 minutes):	±0.02 % RO
Safe overload:	150 % RL
Ultimate overload:	300 % RL
Material:	Stainless steel
Degree of protection:	IP68
Accuracy class:	3000 OIML (C3), optional: C4, C5, C6
Deflection:	0.2 ÷ 1.4 mm
Compensated Temperature:	-10 ÷ +40 °C
Temperature range:	-18 ÷ +65 °C
Temperature effect on zero balance:	±0.018 % RO/10° C
Temperature effect on output:	±0.012 % output/10° C
Rated output RO:	3.0 ±0.04 mV/V
Zero balance:	±1.0 % RO
Insulation resistance:	> 1000 MOhm
Input resistance:	350 ±3.5 Ohm
Output resistance:	350 ±3.5 Ohm
Recommended input:	5 ÷ 12 Vdc/Vac

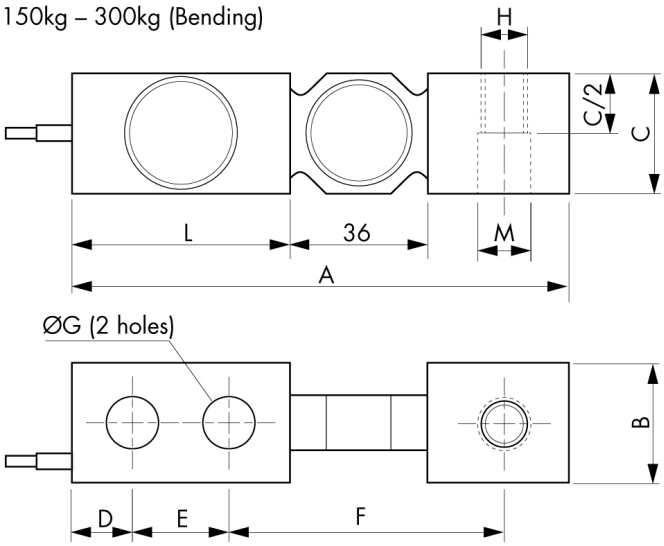
All indicated data may be changed without notice.
All the measures indicated are expressed in millimeters (mm).

PAVONE SISTEMI S.R.L.
Via Tiberio Bianchi 11/13/15, 20863 Concorezzo (MB), Milan, Italy
T (+39) 039 9162656 **F** (+39) 039 9162675 **W** pavonesistemi.com
Industrial Electronic Weighing Systems since 1963

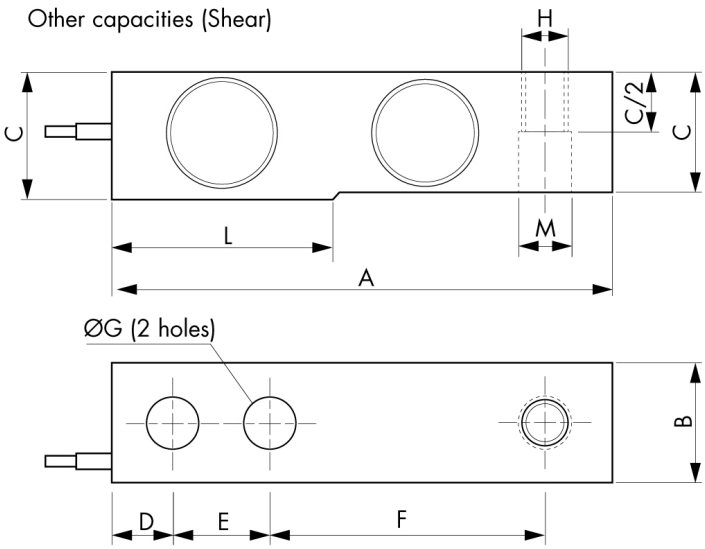
Shear beam load cells **PSD800**

available with certification • ATEX • OIML • NTEP

150kg – 300kg (Bending)



Other capacities (Shear)



Capacity Kg	A	B	C	c	D	E	F	G	H	L	M
150 - 300	130	31.3	31.3	-	15.7	25.4	76.2	13.5	M12 x 1.75	57.1	13.5
500 - 2000	130	31.3	31.3	* see note	15.7	25.4	76.2	13.5	M12 x 1.75	57.1	13.5
2500 - 5000	171	36.8	36.8	34.8	19	38.1	95.2	20.5	M20 x 2.5	76.2	20.5

*Note: 500kg 24.8; 1000kg 26.0; 2000kg 28.0

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

* Sense when available

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

PAVONE SISTEMI S.R.L.
Via Tiberio Bianchi 11/13/15, 20863 Concorezzo (MB), Milan, Italy
T (+39) 039 9162656 **F** (+39) 039 9162675 **W** pavonesistemi.com
Industrial Electronic Weighing Systems since 1963