



Precision Transducers Ltd.



Model PSB

PRECISION SHEARBEAM

250kg~10,000kg

APPLICATIONS

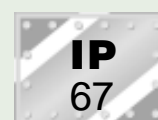
- Low profile platforms
- Harsh environments
- Suitable for single or multi-point weighing
- Hopper, silo & bin weighing
- Process weighing
- High capacity platform and axle weighing scales



FEATURES

- Fully encapsulated
- Robust tool steel construction
- Stainless steel models available
- 3 year warranty
- Sealed to IP67 standards
- ISO 9001 certified manufacturing facilities

<http://www.precisiontransducers.com>





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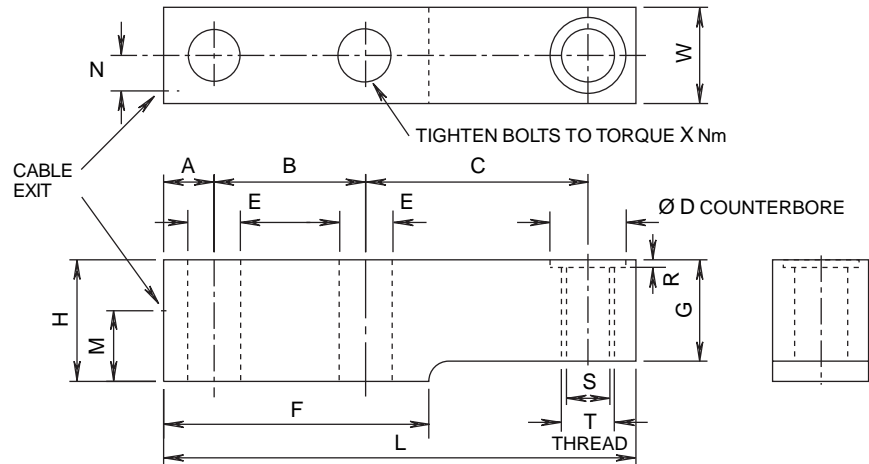
250kg~10,000kg

Ordering Information

Capacity	Model
250kg	PSB-250kg
500kg	PSB-500kg
1000kg	PSB-1000kg
2500kg	PSB-2500kg
5000kg	PSB-5000kg
10000kg	PSB-10000kg

Stainless Steel option available in the following capacities

Capacity	Model
250kg	PSB-250kg-S/S
500kg	PSB-500kg-S/S
1000kg	PSB-1000kg-S/S
2500kg	PSB-2500kg-S/S



Cable Colour Code

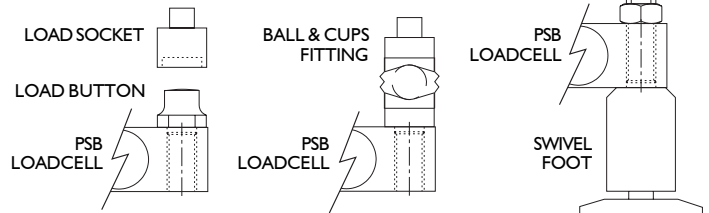
Excitation +ve	Red
Sense +ve	Brown
Excitation -ve	Black
Sense -ve	Blue
Signal +ve	Green
Signal -ve	White

Dimensions

Capacity	A	B	C	D	E	F	G	H	L	M	N	R	S	T	W	X
250kg	15	38	61.5	12	10.3	65	20	28.5	125	17	7.6	2	10.3	M12 x 1.75	26.5	45
500kg	15	38	61.5	12	10.3	65	26	28.5	125	14.25	7.6	2	10.3	M12 x 1.75	26.5	45
1000kg	15	38	61.5	12	10.3	65	26	28.5	125	14.25	7.6	2	10.3	M12 x 1.75	26.5	45
2500kg	20	60	88	30	21	105	40	48	187	28	14	3	21	none	40	365
5000kg	20	60	88	30	21	105	40	48	187	28	14	3	21	none	40	365
10000kg	24	60	117	40	26	120	58	68	225	39	17	5	26	none	48	815

Accessories

Part	250-1000	2500-5000	10000
Load Button	A-LBM12	A-LB30	A-LB40
Load Socket	A-LS20	A-LS30	A-LS40
Swivel Foot	A-SF	N/A	N/A
Ball and Cup	A-BC20	A-BC40	A-BC40
Complete Mount	M-PSB-1	M-PSB-5	M-PSB-10



Detailed dimension drawings for the above accessories are available at our web site

Specifications

Factory Calibration Mode	Compression	Insulation Resistance (brg to gnd)	> 5000 Mohms at 100 VDC
Linearity Error	< 0.017 % FSO	Insulation Resistance (cable to gnd)	> 1000 Mohms at 100 VDC
Repeatability	< 0.01 % FSO	Excitation Voltage (recommended)	5 to 15 Volts AC or DC
Zero Balance	< 1.00 % FSO	Excitation Voltage (maximum)	18 Volts AC or DC
Total Error	< 0.020 % FSO	Safe Load	150% of Rated Capacity
Zero Return	< 0.015 in 30 minutes % FSO	Ultimate Load	300% of Rated Capacity
Temperature Effect on Span/10 °C	< 0.01 % FSO	Cable Type	6 conductor screened PVC Jacket
Temperature Effect on Zero/10 °C	< 0.015 % Rated Load Output	Cable Length	3 m standard (250-1000kg) 5 m standard (2500-10000kg)
Rated Output (±0.1%)	2.0 mV/V	Environmental Protection	IP67 Standards
Compensated Temperature Range	-10° to 40° C	Material	Tool Steel, Nickel Plated
Operating Temperature Range	-30° to 70° C		
Input Resistance	410 Ohms nominal		
Output Resistance	352.2 Ohms		



Precision Transducers Ltd.

Sales & Product Information

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Due to Precision Transducer's policy of continuous development, these specifications are subject to change without notice.