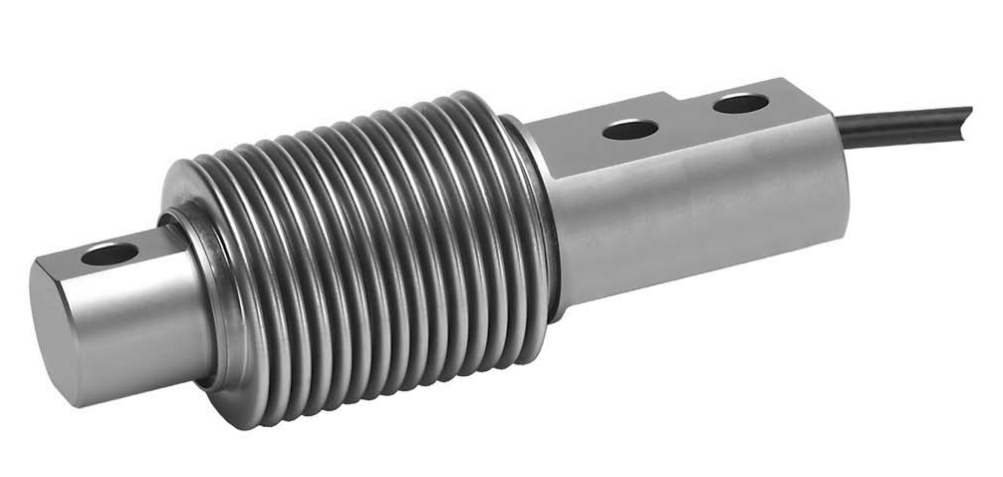
SENSOR TECHNIQUES LIMITED



Bending Beam Load Cell, Model SB8

- High accuracy and long term stability
- Output trimmed and current matched
- Available in capacity ranges from 10kg to 500kg
- Ideal for harsh environments & Industrial applications
- Very compact stainless steel construction
- Hermetically sealed to IP68
- Six wire polyurethane cable with shield
- Optional ATEX approval available

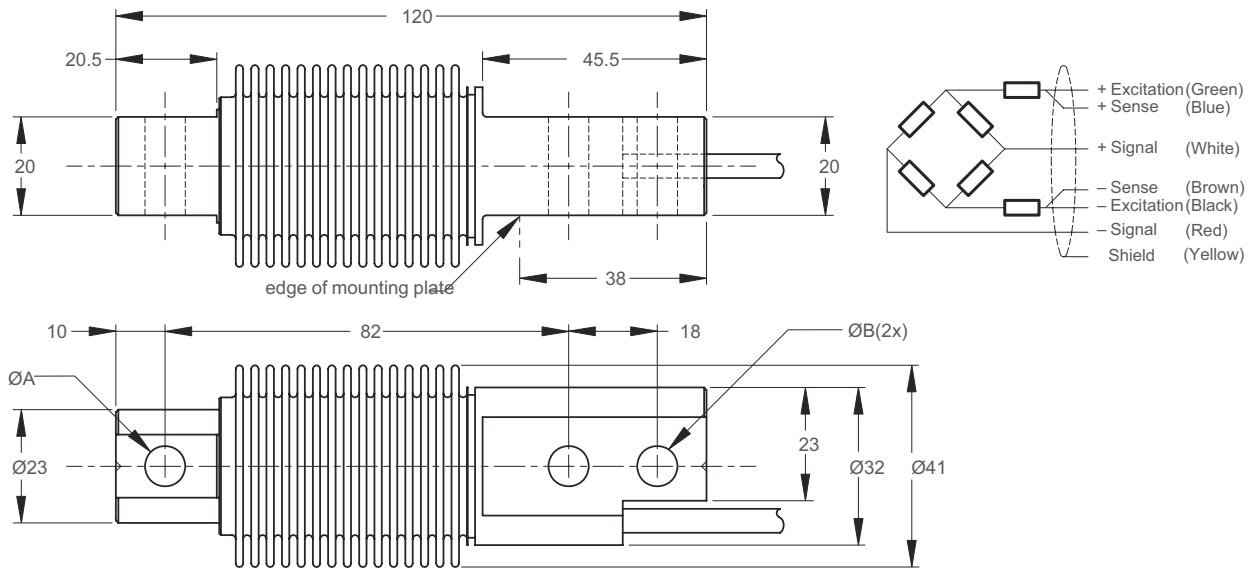
Technical Data

Model SB8

GRADE		GP	C3
Number of Load Cell Intervals	n (max)	N/A	3000
Minimum Utilisation	% Rated Cap.	N/A	30
Minimum Verification Interval	Vmin=Emax/.	N/A	10000
Total Error	% Rated Load	0.050	0.020
Zero Return after 30 mins	% Appl. Load	0.060	0.017
Temperature Effect on : Span	%Appl. Ld./10°C	0.020	0.010
Zero	%ORL/10°C	0.040	0.014
Output at Rated Load (ORL)	mV/V	2 ± 0.1%	
Zero Balance	% ORL	< ± 5	
Input Impedance	Ohm	380 ± 10	
Output Impedance	Ohm	350 ± 3	
Excitation Voltage	V	5...15	
Insulation Resistance (100V)	MOhms	>5000	
Compensated Temp. Range	°C	-10 to +40	
Operating Temperature Range	°C	-40 to +80 (ATEX -40 to +60)	
Safe Load Limit	% Rated Cap.	200	
Ultimate Load	% Rated Cap.	300	
Safe Side Load	% Rated Cap.	100	
Cable Length	m	3 metres	
Construction		Stainless Steel	
Environmental Protection		IP68	
Rated Capacities (Emax)	kg	10, 20, 50, 100, 200, 250, 500.	

Dimensions

All Dimensions in mm
Specifications are subject to change without prior notice



Type	A	B	Mounting bolts	Torque
10...250 kg	8.2	8.2	M8 8.8	25 Nm
500 kg	10.5	8.2	M8 10.9	35 Nm

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Precision Load cells
Accessories and Mountings
Measuring Instruments and Systems