

SHBxR

Bending beam Load Cell

SENSOR
TECHNIQUES LIMITED



Load Cell, Model SHBxR

- High accuracy and long term stability
- Output signal rationalised (2.0 mV/V \pm 0.1%)
- Current matched (SC) units also available.
- Available in capacity ranges from 5kg to 500kg
- Ideal for harsh environments & industrial applications
- Stainless steel construction sealed to IP66 and IP68
- Optional ATEX approval available
- 4-wire cable standard, 6 wire cable optional

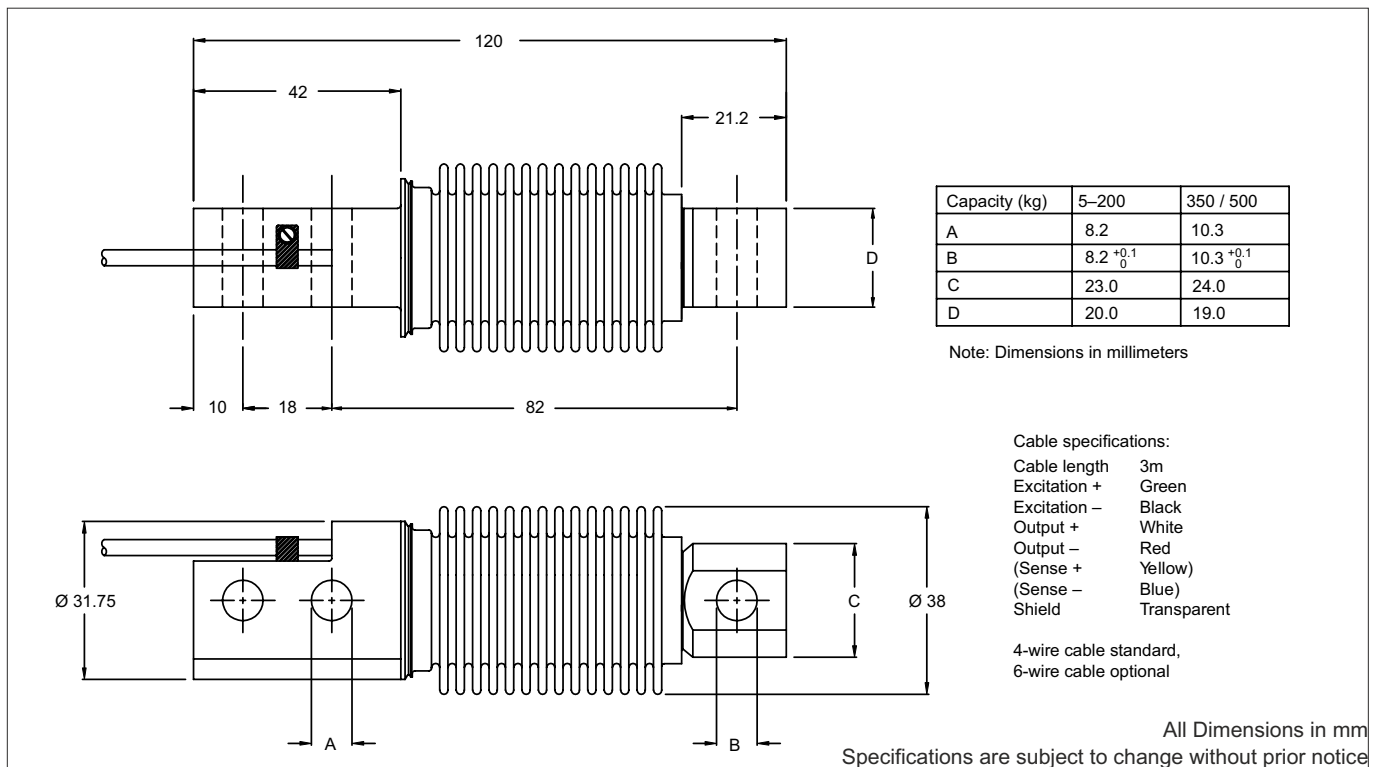
Technical Data

Model SHBxR

GRADE		Non App	C3	C4
Number of Load Cell Intervals	n (max)		3000	4000
Minimum Utilisation	% Rated Cap.		20	26.7
Minimum Verification Interval	Vmin=Emax/.		15000	15000
Total Error	% Rated Load	0.050	0.020	0.017
Zero Return after 30 mins	% Appl. Load	0.050	0.0167	0.0125
Temperature Effect on : Span	%Appl. Ld/5°C	0.025	0.0047	0.0047
Zero	%Rated Ld/5°C	0.025	0.0050	0.0045
Output at Rated Load (ORL)	mV/V		2.00	
Output at Rated Load Tolerance	%		± 0.1	
Input Impedance	Ohm		460 ± 50	
Output Impedance	Ohm		350 ± 3.5	
Recommended Supply Voltage	V		10	
Compensated Temp. Range	°C		-10 to +40	
Operating Temperature Range	°C		-40 to +80	
Deflection at Emax	mm		0.30 ± 0.03	
Safe Overload	% Rated Cap.		150	
Ultimate Overload	% Rated Cap.		300	
Maximum Safe Side Load	% Rated Cap.		100	
Cable Length	m		3	
Construction			Stainless Steel	
Environmental Protection			IP66 & IP68	
Rated Capacities (Emax)	Kg		5*, 10, 20, 30, 50, 100, 200, 350, 500	

* Not OIML Approved

Dimensions



DS-SHBXR-1, 11/17