

Type SBR Load Cell



Short Description



- Nickel plated alloy steel IP67 shear beam load cell
- Adhesive sealed
- Suitable platform weighing, bed weighing, etc.
- High accuracy
- High reliability
- Current calibrated (sc-option)



Test certificate no. TC7868 Revision 1

C of C no R60/2000-NL1-12.52



Certificate no. 06-199A1

Available Models

P/N	Capacity	Accuracy	Full Article Description
72208400-1	300kg-500kg	C3	SBR-C3-300kg-500kg-4B
72208401-1	1t	C3	SBR -C3-1t-4B
72208402-1	2t-2.5t	C3	SBR -C3-2t-2.5t-4B
72208403-1	3t	C3	SBR -C3-3t-4B

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Technical Specifications SBR

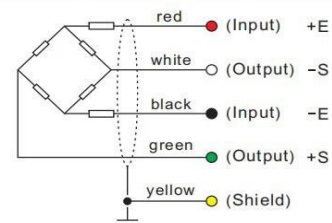
Accuracy Class		OIML R60 C3
Output Sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum Capacity (Emax)	kg	300kg, 500kg, 1t, 2t, 2.5t, 3t
Max. Number of Load Cell Intervals	nLc	3000
Ratio of min. LC Verification Interval	Y = Emax / vmin	10000
Combined Error	%FS	≤± 0.020
Minimum dead load	Of Emax	0%
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	of FS	< ± 2.0 %
Excitation, recommended voltage	V	5 ~ 12
Excitation maximum	V	18
Input resistance	Ω	1100 ± 20
Output resistance	Ω	1000 ± 3.5
Insulation resistance	MΩ	≥5000 (at 50VDC)
Compensated temperature	°C	-10 ~ +40
Operating temperature	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +80
Element material		Nickel plated alloy steel
Ingress Protection (acc. to EN 60529)		IP67
Recommended torque on fixation bolts	Nm	
ATEX classification (optional)		II1G Ex ia II1C T4 II1D Ex iaD 20 T73°C II3G nL IIC T4

Wiring

Features:

- Shielded, 4 conductor cable.
- Cable diameter: Ø5.3mm.
- Standard cable length for 500kg – 3t 3.5m
- Shield connected to element.
- Cable jacket in PVC.

Mode of Connection





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Dimensions in mm

