


Type SBT Load Cell



Short Description



- Nickel plated alloy steel IP67 shear beam load cell
- Suitable for truck-, track and hopper scales
- Suitable for hazardous locations.

 Test certificate no. D09-05.20
C of C no R60/2000-CN1-06.09

Available Models

P/N	Capacity	Accuracy	Full Article Description
722086001(0*)	300kg	C3	SBT-C3-300kg-4B
722086011	500kg	C3	SBT-C3-500kg-4B
722086012	1t	C3	SBT-C3-1t-4B
722086013	2t	C3	SBT-C3-2t-4B
722086014	3t	C3	SBT-C3-3t-4B

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Technical Specifications SBT

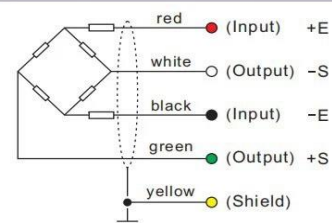
Accuracy Class		OIML R60 C3
Output Sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum Capacity (Emax)	kg	300,500,1t,2t,3t
Max. Number of Load Cell Intervals	n/c	3000
Ratio of min. LC Verification Interval	$Y = E_{max} / v_{min}$	10000
Combined Error	%FS	≤ ± 0.023
Minimum dead load	Of Emax	0%
Safe overload	of 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	380 ± 20
Output resistance	Ω	350 ± 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: Ø6.2mm.
Standard cable length for 300kg – 3t 5m
Shield connected to element.
Cable jacket in PVC.

Mode of Connection



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Dimensions in mm

