



Type SPS-01 Load Cell



Short Description

- Aluminium-alloy IP65 single point load cell
- Colorless anodized
- Suitable for pricing scales, bench scales, etc.
- Maximum platform size: 350 x 350 mm

 Test certificate no. TC7868 Revision 1
 C of C no R60/2000-NL1-12.52
 Certificate no. 11-014

Available Models

P/N	Capacity	Accuracy	Full Article Description
72202510-1	3kg	C3/C4/C5	SPS-01-C3/C4/C5-3kg-0.40B
72202511-2	5kg	C3/C4/C5	SPS-01-C3/C4/C5-5kg-0.40B
72202512-3	6kg	C3/C4/C5	SPS-01-C3/C4/C5-6kg-0.40B
72202513-4	7kg	C3/C4/C5	SPS-01-C3/C4/C5-7kg-0.40B
72202514-5	8kg	C3/C4/C5	SPS-01-C3/C4/C5-8kg-0.40B
72202515-6	10kg	C3/C4/C5	SPS-01-C3/C4/C5-10kg-0.40B
72202516-7	15kg	C3/C4/C5	SPS-01-C3/C4/C5-15kg-0.40B
72202517-8	20kg	C3/C4/C5	SPS-01-C3/C4/C5-20kg-0.40B
72202518-9	30kg	C3/C4/C5	SPS-01-C3/C4/C5-30kg-0.40B
72202519 -10	35kg	C3/C4/C5	SPS-01-C3/C4/C5-35kg-0.40B
72202520-11	40kg	C3/C4/C5	SPS-01-C3/C4/C5-40kg-0.40B
72202521-12	50kg	C3/C4/C5	SPS-01-C3/C4/C5-50kg-0.40B
72202522-13	60kg	C3/C4/C5	SPS-01-C3/C4/C5-60kg-0.40B

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Technical Specifications SPS-01

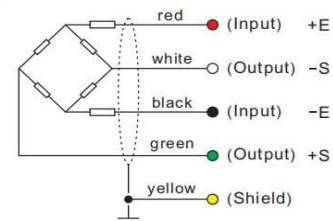
Accuracy Class		OIML R60 C3	OIML R60 C4	OIML R60 C5
Output Sensitivity (= FS)	mV/V	2.0 ± 0.2		
Maximum Capacity (Emax)	kg	3, 5, 6, 7,8, 10, 15, 20, 30, 35, 40, 50,60		
Max. Number of Load Cell Intervals	nLc	3000	4000	5000
Ratio of min. LC Verification Interval	Y = Emax / vmin	10000	15000	20000
Combined Error	%FS	≤± 0.020	≤± 0.015	≤± 0.010
Creep Error (30 minutes)	%FS	≤± 0.0245	≤± 0.0184	≤± 0.0147
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.014	≤± 0.012	≤± 0.009
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.0175	≤± 0.0131	≤± 0.0105
Zero Balance	%FS	≤± 2.0		
Safe Overload	%FS	120		
Ultimate Overload	%FS	150		
Maximum Deflection	mm	3kg:0.5~0.6	5-50kg:0.6~0.7	50-120kg:0.6~0.8
Eccentric Loading Error	%Ld/cm	± 0.002		
Excitation, Recommended Voltage	V	5 ~ 12		
Excitation, Maximum Voltage	V	18		
Input Resistance	Ω	406 ± 6		
Output Resistance	Ω	350 ± 3		
Insulation Resistance (50V)	MΩ	≥5000		
Compensated Temperature	°C	-10 ~ + 40		
Operating Temperature	°C	-35 ~ + 65		
Storage Temperature	°C	-40 ~ + 70		
Load Cell Weight	kg	~0.25		
Element Material		Aluminium		
Ingress Protection (acc. to EN 60529)		IP65		
Recommended Torque on Fixation Bolts	Nm	< 30kg: 6		>30kg: 10

Wiring

Features:

Cable type: Shielded, 4 conductor cable , conductor AWG 26
 Cable diameter: Ø 3.8mm
 Cable length: L = 0.40m ± 0.035m, L1 =0.05 ± 0.005m
 Cable jacket: PVC
 Shield not connected to element

Mode of Connection



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Dimensions in mm

