

Type SPM Load Cell



Short Description



- Aluminium-alloy IP65 single point load cell
- Colorless anodized
- Suitable for pricing scales, bench scales, etc.
- Maximum platform size: 600 x 800 mm
- A 1000 Ohm type available (R1) but is excluded from OIML



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



Certificate no. 11-062

Available Models

P/N	Capacity	Accuracy	Full Article Description
72208780	50kg	C3/C4	SPM-C3/C4-50kg-3G
72208782	60kg	C3/C4	SPM-C3/C4-60kg-3G
72208784	100kg	C3/C4	SPM-C3/C4-100kg-3G
72208786	150kg	C3/C4	SPM-C3/C4-150kg-3G
72208788	200kg	C3/C4	SPM-C3/C4-200kg-3G
72208790	250kg	C3/C4	SPM-C3/C4-250kg-3G
72208792	300kg	C3/C4/C5	SPM-C3/C4/C5-300kg-3G
72208794	500kg	C3/C4/C5	SPM-C3/C4/C5-500kg-3G
72208796	750kg	C3/C4/C5	SPM-C3/C4/C5-750kg-3G
72208796	800kg	C3/C4/C5	SPM-C3/C4/C5-800kg-3G

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Technical Specifications SPM

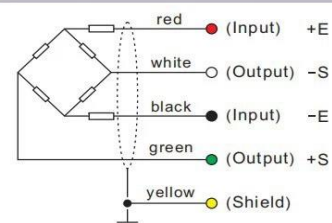
Accuracy Class		OIML R60 C3	OIML R60 C4	OIML R60 C5
Output Sensitivity (= FS)	mV/V	2.0 ± 0.2		
Maximum Capacity (Emax)	kg	50, 60, 100, 150, 200, 250, 300, 500, 750, 800		
Max. Number of Load Cell Intervals	nLc	3000	4000	5000
Ratio of min. LC Verification Interval	Y = Emax / vmin	10000	15000	20000
Combined Error	%FS	≤± 0.0230	≤± 0.0175	≤± 0.0140
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	406 ± 6		
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 ~ +70		
Element material		Aluminium		
Ingress Protection (acc. to EN 60529)		IP65		
Recommended torque on fixation bolts	Nm	M8:10		

Wiring

Features:

Shielded, 4 conductor cable.
Cable diameter: Ø5.3mm.
Standard cable length: 3m.
Shield connected to element.
Cable jacket in PVC.

Mode of Connection





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Dimensions in mm

Dimensions in mm

