

## Type SPS-SS Load Cell



### Short Description



- Stainless Steel IP67/68 single point load cell
- Colorless anodized
- Suitable for pricing scales, bench scales, etc.
- Maximum platform size: 350 x 400 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
27058785-1	10kg	C3/C4	SPS-SS-C3/C4-10kg-3G
27058785-2	20kg	C3/C4	SPS-SS-C3/C4-20kg-3G
27058785-3	35kg	C3/C4	SPS-SS-C3/C4-30kg-3G
27058785-4	50kg	C3/C4	SPS-SS-C3/C4-50kg-3G

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### Technical Specifications SPS-SS

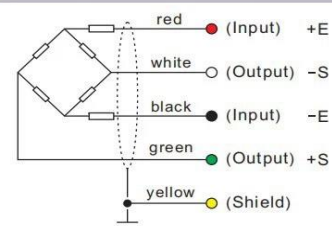
Accuracy Class		OIML R60 C3	OIML R60 C4	OIML R60 C5
Output Sensitivity ( = FS )	mV/V	2.0 ± 0.2		
Maximum Capacity ( Emax )	kg	10, 20, 35, 50		
Max. Number of Load Cell Intervals	nLc	3000	4000	5000
Ratio of min. LC Verification Interval	Y = Emax / vmin	10000	15000	20000
Combined Error	%FS	≤± 0.0230	≤± 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	390 ± 15		
Output resistance	Ω	350 ± 5		
Insulation resistance	MΩ	≥5000 ( at 50VDC )		
Compensated temperature	°C	-10 ~ +40		
Operating temperature	°C	-35 ~ +65		
Storage temperature	°C	-40 ~ +70		
Element material		Stainless Steel		
Ingress Protection (acc. to EN 60529)		IP67/68		
Recommended torque on fixation bolts	Nm	M8:10		

### Wiring

#### Features:

Shielded, 4 conductor cable.  
Cable diameter: Ø4mm.  
Standard cable length: 2m.  
Shield connected to element.  
Cable jacket in PVC.

#### Mode of Connection





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Dimensions in mm

