

Type SPS-04 Load Cell



Short Description

- Weighing range: 3kg...10kg
- High overall accuracy, good long-term stability
- Simple structure, easy to install
- Recommended table size:
- Aluminum alloy, anodized surface
- Corner deviation adjusted
- Optional -Explosion-proof model available

Available Models

- Low-range weighing
- Electronic scales
- Medical scales
- Industrial weighing and production process weighing

Available Models

P/N	Capacity	Accuracy	Full Article Description
27052512-1	3kg	0.02%	SPS-04-3000g-0.40B
27052512-2	5kg	0.02%	SPS-04-5000g-0.40B
27052512-3	8kg	0.02%	SPS-04-8000g-0.40B
27052512-4	10kg	0.02%	SPS-04-10000g-0.40B

Description

SPS-04 is a small-range, small-volume, high-precision single-point weighing sensor. Made of aluminum alloy, the four corner deviations have been adjusted to ensure high weighing accuracy, anodized surface, and IP66 protection level. The sensor is suitable for electronic scales, medical equipment, and industrial process control.

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Technical Specifications SPS-04

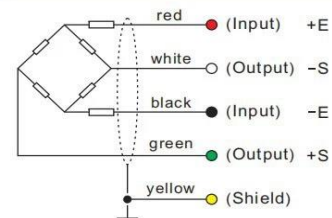
Specification	Value	Unit
Rated load	3,5,8,10	kg
Rated output	2.0±0.2	mV/V
Zero balance	±1	%R.O.
Comprehensive Error	±0.02	%R.O.
Zero output	≤±5	%R.O.
Repeatability	≤±0.02	%R.O.
Creep (30 minutes)	≤±0.02	%R.O.
Normal operating temperature range	-10~+40	°C
Allowable operating temperature range	-20~+70	°C
Effect of temperature on sensitivity	±0.02	%R.O./10°C
Effect of temperature on zero point	±0.02	%R.O./10°C
Recommended excitation voltage	5-12	VDC
Input impedance	410±10	Ω
Output impedance	350±5	Ω
Insulation Resistance	≥5000 (50VDC)	MΩ
Safe overload	150	%R.C.
limited overload	200	%R.C.
Material	Aluminum	
Protection Class	IP65	
Cable length	3	m
Platform size	200*200	mm
Tightening torque	3-5	N•m

Wiring

Features:

Cable type: 4 separate conductor cable , conductor AWG 30
Cable diameter:
Cable length:
Cable jacket: PVC

Mode of Connection



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Dimensions in mm

