

SPSZ Series Single Point Stainless Steel Load Cells



Standard Features

- C3 precision class
- Off center load compensated
- Made in 17-4 ph stainless steel
- IP68 protection
- Max. capacities from 500 to 1000 kg
- For platforms with dimensions up to 800 x 800 mm
- Shielded connection cable
- Test certificate available upon request

CAPACITIES (kg): 500, 1000.

OIML R60. C3 precision class.

17-4 PH stainless steel. **IP68 / IP69K** protection.

Stainless steel load cells for off-center loads, suitable for example to build CE-M approved scales with a single load cell with maximum dimensions of 800x800 mm.

Specifications

Minimum load cell verification interval:

E_{Max} / 7.500-12.500

Maximum number of verification intervals:

n_{LC} = 3000

Full Scale Output:

2mV/V ±10%

Temperature effect on full scale output:

0,011% F.S./10K (-10°C/+20°C) 0,017% F.S./10K (+20°C/+40°C)

Temperature effect on zero:

From ±0,0093% F.S./10K to ±0,0140% F.S./10K

Compensated temperature range:

-10°C/+40°C

Operating temperature range:

-10°C/+50°C

Creep at nominal load in 30 minutes:

± 0,01% F.S.

Maximum tolerated excitation voltage:

15 VDC

Input Resistance:

390 ± 15 Ohm

Output Resistance:

300...500 Ohm

Insulation Resistance:

(100V) >2000 MOhm

Safe Overload:

150% F.S.

Breaking load:

300% F.S.

Nominal displacement:

< 0,5mm

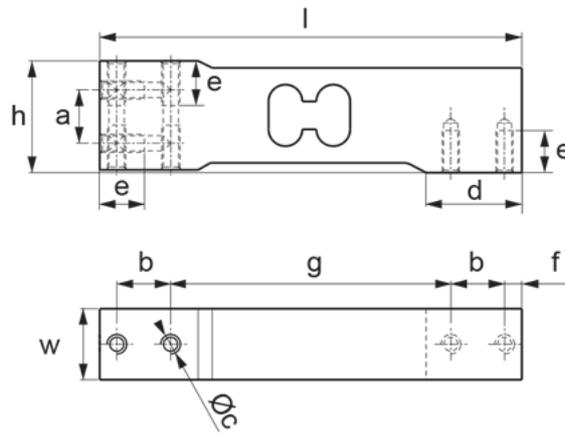
Shielded cable:

6-wire, 3m long, 5mm diameter

Wiring Code

Wiring Code	
<i>Colour</i>	<i>Function</i>
WHITE	OUTPUT +
GREEN	SENSE +
BLUE	INPUT +
RED	OUTPUT -
BLACK	INPUT -
GREY	SENSE -

Dimensions



Code	Max (kg)	Plate Max (mm)	l (mm)	w (mm)	h (mm)	a (mm)	b (mm)	c Ø (mm)	d (mm)	e (mm)	f (mm)	g (mm)
<u>SPSZ500</u>	500	800 x 800	191	76	75	25	60	N°9 x M12	41	16	22	8
<u>SPSZ1000</u>	1,000	800 x 800	191	76	75	25	60	N°9 x M12	41	16	22	8

Parts

Part # **Description**

Available Versions

SPSZ500 Single point approved load cell, C3, Max=500kg in stainless steel, IP68 protection degree, 350 Ohm output resistance.

SPSZ1000 Single point approved load cell, C3, Max=1000kg in stainless steel, IP68 protection degree, 350 Ohm output resistance.

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