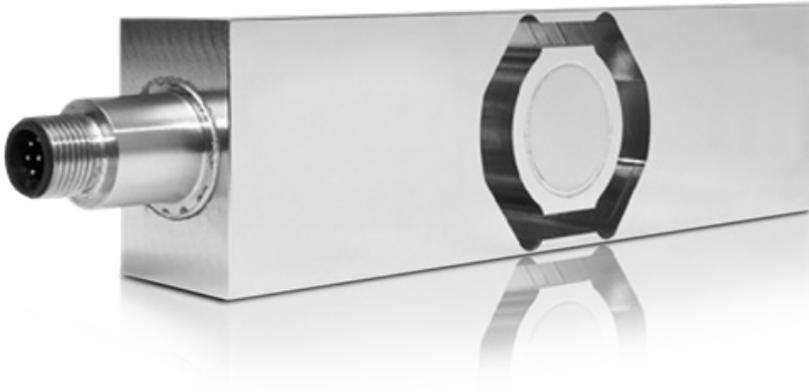


SPSY Series Single Point Stainless Steel Load Cells



Standard Features

- C3 precision class
- Off center load compensated
- Made in 17-4 ph stainless steel
- IP68/IP69k protection
- Max. capacities from 10 to 100 kg
- For platforms with dimensions up to 500 x 400 mm
- Shielded connection cable
- Test certificate available upon request

CAPACITIES (kg): 10, 20, 50, 100.

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 500x400 mm.

Specifications

Minimum load cell verification interval:

$V_{min} = E_{Max} / 10.000$

Maximum number of verification

intervals:

nLC = 3000

Full Scale Output:

2mV/V +/- 10%

Temperature effect on zero:

$\pm 0,014\%$ F.S./10K

Temperature effect on full scale output:

$\pm 0,0117\%$ F.S./10K (-10°C/+20°C)

$\pm 0,0175\%$ F.S./10K (+20°C/+40°C)

Compensated Temperature Range:

-10°C/+40°C

Operating Temperature Range:

-10°C/+50°C

Creep at nominal load in 30 minutes:

$\pm 0,01\%$ F.S.

Maximum tolerated excitation voltage:

15 VDC

Input Resistance:

380 \pm 15 Ohm

Output Resistance:

350 \pm 10 Ohm

Insulation Resistance (100V):

>2000 MOhm

Safe Overload:

150% F.S.

Ultimate Overload:

300% F.S.

Nominal displacement:

< 0.5 mm

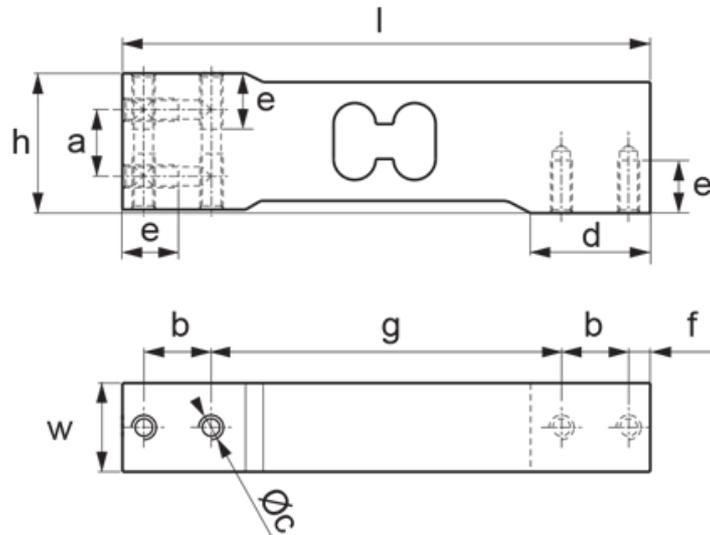
Shielded cable:

6-wire shielded cable, 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)
<u>SPSY10</u>	10	500 x 400	150	25	40	19	100	N°8 x M6	35	12	6
<u>SPSY20</u>	20	500 x 400	150	25	40	19	100	N°4 x M6	35	12	6
<u>SPSY50</u>	50	500 x 400	150	25	40	19	100	N°4 x M6	35	12	6
<u>SPSY100</u>	100	500 x 400	150	25	40	19	100	N°4 x M6	35	12	6

Parts

Part # Description

Available Versions

- SPSY10** Single point approved load cell, C3, Max=10kg in stainless steel, IP68/IP69K protection degree, 350 Ohm output resistance.
- SPSY20** Single point approved load cell, C3, Max=20kg in stainless steel, IP68/IP69K protection degree, 350 Ohm output resistance.
- SPSY50** Single point approved load cell, C3, Max=50kg in stainless steel, IP68/IP69K protection degree, 350 Ohm output resistance.
- SPSY100** Single point approved load cell, C3, Max=100kg in stainless steel, IP68/IP69K protection degree, 350 Ohm output resistance.