

## SPSW

### SPSW SERIES SINGLE POINT STAINLESS STEEL LOAD CELLS



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.

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CAPACITIES (kg): 7.5, 15, 30, 50, 100.

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17-4 PH stainless steel. IP67 protection. C3 precision class.

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Working in cooperation with:

**VAHY PRO S.R.O.**

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The best solution  
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## MAIN FEATURES

- C3 PRECISION CLASS
- OFF CENTER LOAD COMPENSATED
- MADE IN 17-4 PH STAINLESS STEEL
- IP67 PROTECTION
- MAX. CAPACITIES FROM 7.5 TO 100 kg
- FOR PLATFORMS WITH DIMENSIONS UP TO 500 X 400 mm
- SHIELDED CONNECTION CABLE
- TEST CERTIFICATE AVAILABLE UPON REQUEST

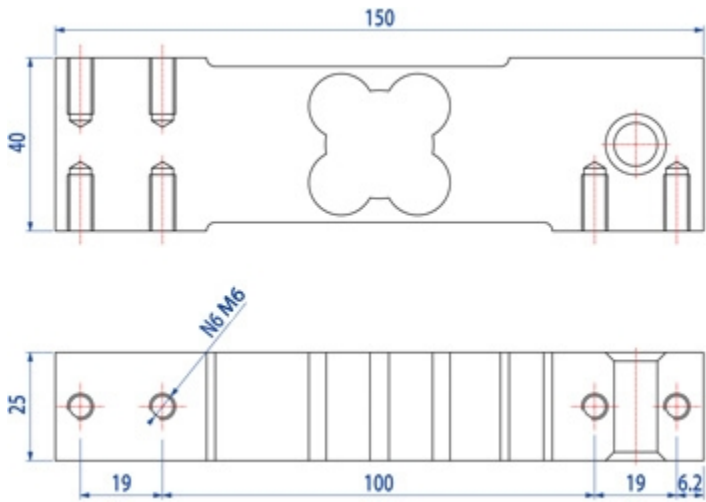
## TECHNICAL FEATURES

- Minimum load cell verification interval:  $V_{min} = E_{Max} / 10.000$
- Maximum number of verification intervals:  $n_{LC} = 3000$
- Full Scale Output:  $2mV/V \pm 0,2\%$
- Temperature effect on zero:  $0,01\% FS/10K$
- Temperature effect on full scale output:  $0,001\% FS/10K$
- Compensated Temperature Range:  $-10^{\circ}C/+40^{\circ}C$
- Operating Temperature Range:  $-10^{\circ}C/+50^{\circ}C$
- Creep at nominal load in 30 minutes:  $\pm 0,01\% F.S.$
- Maximum tolerated excitation voltage: 15 VDC
- Input Resistance:  $380 \pm 15 \text{ Ohm}$
- Output Resistance:  $359 \pm 5 \text{ Ohm}$
- Insulation Resistance (100V)  $>1000 \text{ MOhm}$
- Safe Overload: 300% F.S.
- Ultimate Overload: 300% F.S.
- Nominal displacement:  $< 0.5 \text{ mm}$
- 6-wire shielded cable, 3m long, 5mm diameter

## ATEX Version

- The CCATEX certificate makes the load cell suitable for use in hazardous areas with protection methods according to:  
ATEX II 1G Ex ia IIC T6 (Ta  $-20 \div +40^{\circ}C$ ) TX (Ta  $-20 \div +65^{\circ}C$ ) Ga  
ATEX II 1D Ex ta IIIC TX $^{\circ}C$  (Ta  $-20 \div +40^{\circ}C$ ) TX $^{\circ}C$  (Ta  $-20 \div +65^{\circ}C$ ) Da IP65.  
The certificate includes the manual and the ATEX CE conformity declaration (available in EN, DE, FR, and IT).
- **IMPORTANT:** the certificate refers to the single load cell. For systems with more load cells, it is necessary to order one certificate for each load cell.

## DETAIL 1








Dimensions in mm

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

## VERSIONS

Available models

Code	Max (kg)	Platform l x w Max (mm)	Masterpack 4 pcs
SPSW7.5 	7,5	500 x 400	SPSW7.5C
SPSW15 	15	500 x 400	SPSW15C
SPSW30 	30	500 x 400	SPSW30C
SPSW50 	50	500 x 400	SPSW50C
SPSW100 	100	500 x 400	SPSW100C



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