

## 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, 200.

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**OIML R60. C3** precision class.

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**17-4 PH** stainless steel. **IP67** protection.

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The best solution  
for advanced industrial  
applications

## MAIN FEATURES

- C3 PRECISION CLASS
- OFF CENTER LOAD COMPENSATED
- MADE IN 17-4 PH STAINLESS STEEL
- IP67 PROTECTION
- MAX. CAPACITIES FROM 7.5 TO 200 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:  $V_{min} = E_{Max} / 10.000-15.000$
- Maximum number of verification intervals:  $n_{LC} = 3000$
- Full Scale Output:  $2mV/V \pm 10\%$
- Temperature effect on zero:  
from  $\pm 0,0093\% \text{ F.S./10K}$  to  $\pm 0,0140\% \text{ F.S./10K}$
- Temperature effect on full scale output:  
 $\pm 0,0117\% \text{ F.S./10K}$  ( $-10^{\circ}\text{C}/+20^{\circ}\text{C}$ )  
 $\pm 0,0175\% \text{ F.S./10K}$  ( $+20^{\circ}\text{C}/+40^{\circ}\text{C}$ )
- Compensated Temperature Range:  $-10^{\circ}\text{C}/+40^{\circ}\text{C}$
- Operating Temperature Range:  $-10^{\circ}\text{C}/+50^{\circ}\text{C}$
- Creep at nominal load in 30 minutes:  $\pm 0,01\% \text{ F.S.}$
- Maximum tolerated excitation voltage: 15 VDC
- Input Resistance:  $380 \pm 15 \text{ Ohm}$
- Output Resistance:  $359 \pm 5 \text{ Ohm}$
- Insulation Resistance at 100V:  $> 1000 \text{ MOhm}$
- Safe Overload: 150% 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  $-20^{\circ}\text{C}/+40^{\circ}\text{C}$ ) TX (Ta  $-20^{\circ}\text{C}/+65^{\circ}\text{C}$ ) Ga  
ATEX II 1D Ex ta IIIC TX $^{\circ}\text{C}$  (Ta  $-20^{\circ}\text{C}/+40^{\circ}\text{C}$ ) TX $^{\circ}\text{C}$  (Ta  $-20^{\circ}\text{C}/+65^{\circ}\text{C}$ ) 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.

## VERSIONS

### Available versions

Codice	Piatto Max (mm)	Max (kg)
SPSW7.5 	500 x 400	7,5
SPSW15 	500 x 400	15
SPSW30 	500 x 400	30
SPSW50 	500 x 400	50
SPSW100 	500 x 400	100
SPSW200 	500 x 400	200



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OCEANIA  
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