

Digital level indicators with analogue and/or CAN bus outputs

SP Series



Description

- Digital device able to measure the tilt on 360° degrees.
- Working range configurable on request ($\pm 20^\circ$)
- Two analogue outputs, X and Y axes, from 0.5 to 4.5 Vdc (SP-A version)
- Hardware and software filters to remove vibrations and interferences
- Inputs and outputs protected against polarity reversal, over voltages and short circuits
- The device is housed in a tough and compact polymer shell
- No moving parts

Options:

- Analogues and CAN bus outputs (SP-AC version)
- CAN bus output (SP-C version)

Technical data

Power supply	9 to 33 Vdc	5 ± 0.25 Vdc
Output voltage	0.5 to 4.5 Vdc	10%...90% ratiometric
Maximum output current	8 mA	
Power draw	30 mA	
Intervention range	from -20 to $+20$ degrees	
Resolution	$\pm 0.1^\circ$	
Temperature drift (zero point) for compensated devices	± 0.002 degree/ $^\circ\text{C}$	
Temperature drift (gain) for compensated devices	± 0.001 degree/ $^\circ\text{C}$	
Operating temperature	from -20 to $+70$ $^\circ\text{C}$	
Standard protection grade	IP 66	
Standard cable length	30 cm	

Dimensions [mm]

