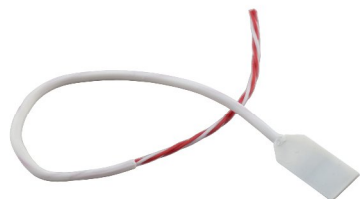


# Flexible sensor for surface measurement Type SP



- Temperature sensor
- Temperature measurement on flat and curved surfaces (minimal curvature radius: 25 mm)
- From -70°C to +200°C
- No hysteresis
- Limited resistance against vibration

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## DESCRIPTION

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A platinum resistance sensor covered by a silicone layer

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## FEATURES

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- Nominal value: 100 ohms at 0°C  
Tolerance according to IEC 60751: class W 0.3, W 0.15 and W 0.1  
Temperature coefficient  $\alpha=3850$  ppm/k
- Connection wires: 3 or 4 wires CuAg.  
Twisted cable
- Housing advise: SP 683 0,1 to 3 mA  
Do not used without protection in Aggressive environment (oils, solvent...)  
Curvature radius (minimal 25 mm)
- Options: - Rigid aluminum protection (GAL version)  
- Silicone cable connections (CPE version)  
- Various length of cable  
- ATEX Exi model: contact us

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## APPLICATION

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- Temperature measurement on curved surfaces (Minimal curvature radius : 25mm)
- Laboratory applications
- Chemical and pharmaceutical industry
- Medical applications. A body temperature measurement
- Electronic industry

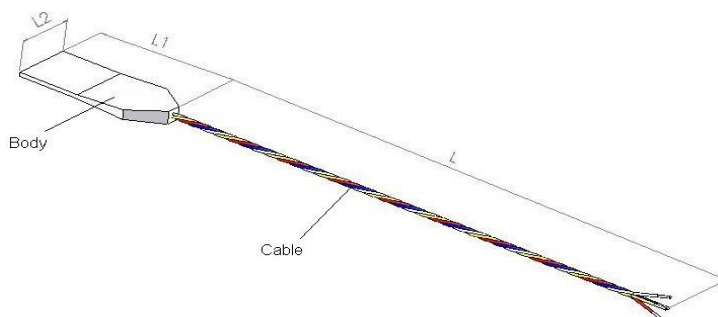
# Flexible sensor for surface measurement Type SP

## PERFORMANCE SPECIFICATIONS

Ref.	Self-heating coefficient (K/mW)		Response time T <sub>0,5</sub> (s)	
	Water v=0,2m/s	Air v=1m/s	Water v=0,2m/s	Air v=1m/s
	SP 683	0,002	0,03	0,5
SP 683 GAL	0,002	0,03	0,5	12

## BLOCK DIAGRAM

Type	Length of body	Width of body	Layer of body
SP 683	23 mm	10 mm	1,5 mm
SP 683 CPE	23 mm	10 mm	1,5 mm
SP 683 GAL	25 mm	12 mm	2,5 mm



## 联系方式



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