





FLEXIBLE SENSOR FOR SURFACE MEASUREMENT TYPE SP

SPECIFICATIONS

- 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

A platinum resistance covered by a silicone layer

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FEATURES

Nominal value: 100 Ω at 0°C

Tolerance according to IEC 60751: class W 0.3,

W 0.15 and W 0.1

Temperature coefficient α =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...)

Keep the 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

APPLICATION

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

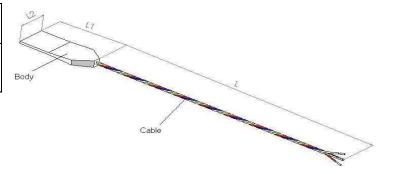
PERFORMANCE SPECIFICATIONS

Ref.	Self-heating coefficient (K/mW)		Response time T0,5 (s)	
	Water	Air	Water	Air
	v=0,2m/s	v=1m/s	v=0,2m/s	v=1m/s
SP 683	0,002	0,03	0,5	9
SP 683 GAL	0,002	0,03	0,5	12

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BLOCK DIAGRAM

Туре	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



ORDERING INFORMATION

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