

Description



The temperature sensor serie SI measures the temperature from -30 up to +90°C at a max. pressure of 16 bar of gaseous and liquid media. The range is available with all type of current sensor elements. Brass immersion pockets are included and can be screw-in directly into tanks or pipes and can be easily and quickly be replaced in case of maintenance.

Technical specifications

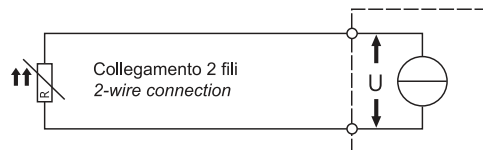
Measurement range	-30...+150°C
Sensor	Pt100, Pt1000, Ni1000, NTC
Type of connection	2-wires
Measured current	approx. 1 mA
Electrical connection	Screw terminal block for wires up to 1,5 mm ²
Leakage resistance	> 100 MOhm, at +20°C (500 V DC)
Housing	Polyamide (synthetic) with snap closing screws, RAL 9010
Cable entry	M16 high-strength cable gland with strain relief
Immersion pocket	brass, nickel-plated, Ø ext. 8 mm / Ø int. 6,5 mm, R 1/2" straight pipe thread
Max. pressure of pocket	16 bar
Installation length	from 100 to 400 mm
Protection type	IP65
Storage temperature	-20...+70°C
Installation	Immersion pocket
Standards	CE conformity, RoHS



Models	Type of sensor	Tube length (L)
SI1-100	Pt100 (DIN EN 60751 Cl. B)	100 mm
SI1-150	Pt100 (DIN EN 60751 Cl. B)	150 mm
SI1-200	Pt100 (DIN EN 60751 Cl. B)	200 mm
SI1-400	Pt100 (DIN EN 60751 Cl. B)	400 mm
SI2-100	Pt1000 (DIN EN 60751 Cl. B)	100 mm
SI2-150	Pt1000 (DIN EN 60751 Cl. B)	150 mm
SI2-200	Pt1000 (DIN EN 60751 Cl. B)	200 mm
SI2-400	Pt1000 (DIN EN 60751 Cl. B)	400 mm
SI3-100	Ni1000 (TK6180)	100 mm
SI3-150	Ni1000 (TK6180)	150 mm
SI3-200	Ni1000 (TK6180)	200 mm
SI3-400	Ni1000 (TK6180)	400 mm

Model	Type of sensor	Tube length (L)
SI4-100	Ni1000 (TK5000)	100 mm
SI4-150	Ni1000 (TK5000)	150 mm
SI4-200	Ni1000 (TK5000)	200 mm
SI4-400	Ni1000 (TK5000)	400 mm
SI5-100	NTC20k ($\pm 1\%$)	100 mm
SI5-150	NTC20k ($\pm 1\%$)	150 mm
SI5-200	NTC20k ($\pm 1\%$)	200 mm
SI5-400	NTC20k ($\pm 1\%$)	400 mm
SI6-100	NTC10k ($\pm 1\%$) BETA 3435K	100 mm
SI6-150	NTC10k ($\pm 1\%$) BETA 3435K	150 mm
SI6-200	NTC10k ($\pm 1\%$) BETA 3435K	200 mm
SI6-400	NTC10k ($\pm 1\%$) BETA 3435K	400 mm

Electrical wirings



Dimensions (mm)

