

## Description

The temperature sensor serie SC measures the temperature from -35 up to +105°C of gaseous and liquid media. The range is available with all type of current sensor elements. The stainless steel sleeve protects the sensor e.g. against mechanical impacts. It is sealed by the PVC cable against humidity and can be mounted in an immersion pocket, with a spring or bracket for pipe contact.

## Technical specifications

<b>Measurement range</b>	-35...+105°C
<b>Sensor</b>	Pt100, Pt1000, Ni1000, KTY, NTC
<b>Type of connection</b>	2-wires
<b>Measured current</b>	approx. 1 mA
<b>Electrical connection</b>	PVC cable from 2 m up to 5 m (2 x 0,25 mm <sup>2</sup> , max. +105°C) with core cable ends
<b>Leakage resistance</b>	> 100 MOhm, at +20°C (500 V DC)
<b>Protection sleeve</b>	Stainless steel V4A
<b>Sleeve dimension</b>	Ø 6x50 mm
<b>Protection type</b>	IP67 (moisture sealed rolled)
<b>Storage temperature</b>	-20...+70°C
<b>Installation</b>	screw-in pocket, mounting flange, compression fitting (not in scope of delivery)
<b>Standards</b>	CE conformity, RoHS



Models	Type of sensor	Cable length (L)
SC1-1	Pt100 (DIN EN 60751 Cl. B)	1 m PVC (2x0,25 mm <sup>2</sup> )
SC1-2	Pt100 (DIN EN 60751 Cl. B)	2 m PVC (2x0,25 mm <sup>2</sup> )
SC1-5	Pt100 (DIN EN 60751 Cl. B)	5 m PVC (2x0,25 mm <sup>2</sup> )
SC2-1	Pt1000 (DIN EN 60751 Cl. B)	1 m PVC (2x0,25 mm <sup>2</sup> )
SC2-2	Pt1000 (DIN EN 60751 Cl. B)	2 m PVC (2x0,25 mm <sup>2</sup> )
SC2-5	Pt1000 (DIN EN 60751 Cl. B)	5 m PVC (2x0,25 mm <sup>2</sup> )
SC3-2	Ni1000 (TK6180)	2 m PVC (2x0,25 mm <sup>2</sup> )
SC3-5	Ni1000 (TK6180)	5 m PVC (2x0,25 mm <sup>2</sup> )
SC4-2	Ni1000 (TK5000)	2 m PVC (2x0,25 mm <sup>2</sup> )
SC4-5	Ni1000 (TK5000)	5 m PVC (2x0,25 mm <sup>2</sup> )
SC5-2	NTC20k (±1%)	2 m PVC (2x0,25 mm <sup>2</sup> )
SC5-5	NTC20k (±1%)	5 m PVC (2x0,25 mm <sup>2</sup> )
SC6-2	NTC10k (±1%) BETA 3435K	2 m PVC (2x0,25 mm <sup>2</sup> )
SC6-5	NTC10k (±1%) BETA 3435K	5 m PVC (2x0,25 mm <sup>2</sup> )
SC7-2	KTY 81-110 (±1%)	2 m PVC (2x0,25 mm <sup>2</sup> )
SC7-5	KTY 81-110 (±1%)	5 m PVC (2x0,25 mm <sup>2</sup> )
SC8-2	KTY 81-121 (±1%)	2 m PVC (2x0,25 mm <sup>2</sup> )
SC8-5	KTY 81-121 (±1%)	5 m PVC (2x0,25 mm <sup>2</sup> )

## Dimensions (mm)

