

Description



The temperature sensor serie SD measures the duct temperature from -30 up to +150°C of gaseous and liquid media. The range is available with all type of current sensor elements. The temperature sensor can be mounted directly on ducts or pipes by the included mounting flanged 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, colour RAL 9010
Cable entry	M16 high-strength cable gland with strain relief
Installation length	from 100 to 400 mm
Material	Protection tube: stainless steel AISI 316Ti
Protection type	IP65
Storage temperature	-20...+70°C
Installation	Mounting flange (included)
Standards	CE conformity, RoHS

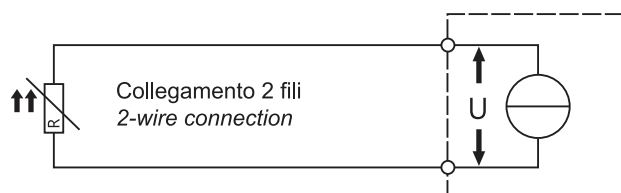


Models	Type of sensor	Tube length (L)
SD1-100	Pt100 (DIN EN 60751 Cl. B)	100 mm
SD1-150	Pt100 (DIN EN 60751 Cl. B)	150 mm
SD1-200	Pt100 (DIN EN 60751 Cl. B)	200 mm
SD1-400	Pt100 (DIN EN 60751 Cl. B)	400 mm
SD2-100	Pt1000 (DIN EN 60751 Cl. B)	100 mm
SD2-150	Pt1000 (DIN EN 60751 Cl. B)	150 mm
SD2-200	Pt1000 (DIN EN 60751 Cl. B)	200 mm
SD2-400	Pt1000 (DIN EN 60751 Cl. B)	400 mm
SD3-100	Ni1000 (TK6180)	100 mm
SD3-150	Ni1000 (TK6180)	150 mm
SD3-200	Ni1000 (TK6180)	200 mm
SD3-400	Ni1000 (TK6180)	400 mm



Models	Type of sensor	Tube length (L)
SD4-100	Ni1000 (TK5000)	100 mm
SD4-150	Ni1000 (TK5000)	150 mm
SD4-200	Ni1000 (TK5000)	200 mm
SD4-400	Ni1000 (TK5000)	400 mm
SD5-100	NTC20k ($\pm 1\%$)	100 mm
SD5-150	NTC20k ($\pm 1\%$)	150 mm
SD5-200	NTC20k ($\pm 1\%$)	200 mm
SD5-400	NTC20k ($\pm 1\%$)	400 mm
SD6-100	NTC10k ($\pm 1\%$) BETA 3435K	100 mm
SD6-150	NTC10k ($\pm 1\%$) BETA 3435K	150 mm
SD6-200	NTC10k ($\pm 1\%$) BETA 3435K	200 mm
SD6-400	NTC10k ($\pm 1\%$) BETA 3435K	400 mm

Electrical wirings



Dimensions (mm)

