



Description

The temperature sensor serie SZ measures the temperature from -30 up to +90°C of gaseous and liquid media. The range is available with all type of current sensor elements. Pockets or flange are available and can be installed directly into tanks, pipes or air ducts 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
Installation length	from 100 to 400 mm
Material	Protection tube: stainless steel V4A
Protection type	IP65
Storage temperature	-20...+70°C
Installation	Pockets CuZn / stainless steel V4A, series PZ, or plastic flange, FZ1 (see next page)
Standards	CE conformity, RoHS

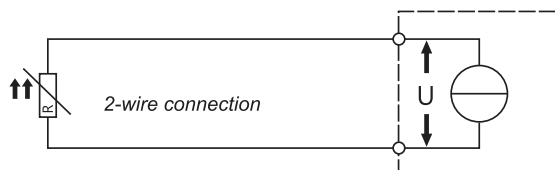


Models	Type of sensor	Tube length (L)
SZ1-100	Pt100 (DIN EN 60751 Cl. B)	100 mm
SZ1-150	Pt100 (DIN EN 60751 Cl. B)	150 mm
SZ1-200	Pt100 (DIN EN 60751 Cl. B)	200 mm
SZ1-400	Pt100 (DIN EN 60751 Cl. B)	400 mm
SZ2-100	Pt1000 (DIN EN 60751 Cl. B)	100 mm
SZ2-150	Pt1000 (DIN EN 60751 Cl. B)	150 mm
SZ2-200	Pt1000 (DIN EN 60751 Cl. B)	200 mm
SZ2-400	Pt1000 (DIN EN 60751 Cl. B)	400 mm
SZ3-100	Ni1000 (TK6180)	100 mm
SZ3-150	Ni1000 (TK6180)	150 mm
SZ3-200	Ni1000 (TK6180)	200 mm
SZ3-400	Ni1000 (TK6180)	400 mm
SZ4-100	Ni1000 (TK5000)	100 mm
SZ4-150	Ni1000 (TK5000)	150 mm
SZ4-200	Ni1000 (TK5000)	200 mm
SZ4-400	Ni1000 (TK5000)	400 mm
SZ5-100	NTC20k (±1%)	100 mm
SZ5-150	NTC20k (±1%)	150 mm
SZ5-200	NTC20k (±1%)	200 mm
SZ5-400	NTC20k (±1%)	400 mm

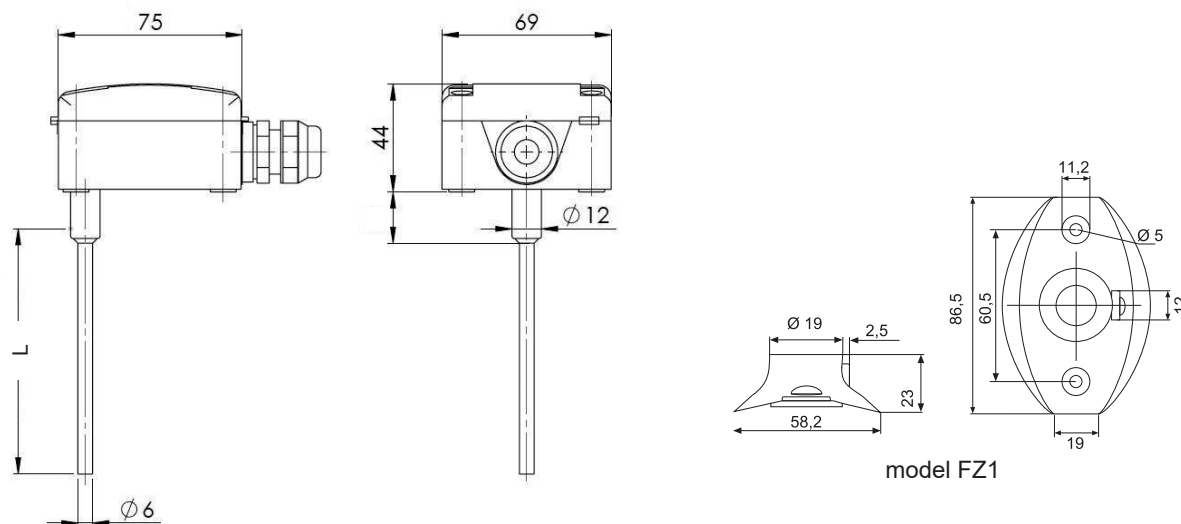


Models	Type of sensor	Tube length (L)
SZ6-100	NTC10k ($\pm 1\%$) BETA 3435K	100 mm
SZ6-150	NTC10k ($\pm 1\%$) BETA 3435K	150 mm
SZ6-200	NTC10k ($\pm 1\%$) BETA 3435K	200 mm
SZ6-400	NTC10k ($\pm 1\%$) BETA 3435K	400 mm

Electrical wirings

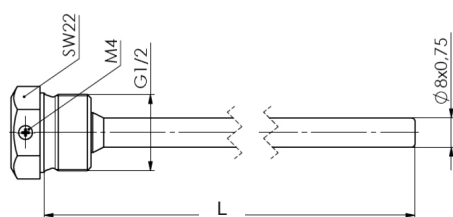


Dimensions (mm)

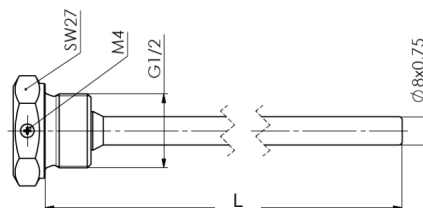


Pocket OT Ni	Length (L)	Tmax	Max static pressure
PZ100	100 mm	160°C	16 bar
PZ150	150 mm	160°C	16 bar
PZ200	200 mm	160°C	16 bar
PZ400	400 mm	160°C	16 bar

Pocket SS 316Ti	Length (L)	Tmax	Max static pressure
PZ100X	100 mm	400°C	40 bar
PZ150X	150 mm	400°C	40 bar
PZ200X	200 mm	400°C	40 bar
PZ400X	400 mm	400°C	40 bar



Serie PZ



Serie PZ...X