Resistance temperature sensors

SCR500

- temperature range -50 ÷ 200°C
- possibility of mounting inside a case a measuring transmitter
- stainless steel sheath with or without perforation, small diameter
- connection via terminal connector strip
- IP 65 protection degree

sheath with perforation

sheath without perforation

Resistance thermometers **SCR500** are designed for ambient temperature measurement. There is a possibility of assembling a programmable temperature transmitter with a 4...20 mA output signal into the housing. The protection tube with perforation allows for quick and precise temperature measurement, thanks to direct contact of thermometric resistor with ambient temperature.
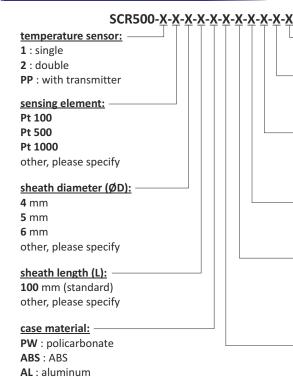
Application areas:
- ambient temperature measurement in rooms and outside,
- warehouses and cold stores,
- offices,
- air-conditioning and ventilation installations.

TECHNICAL DATA

Sensing element	Pt100, Pt500, Pt1000 (2-, 3- or 4-wire)
Measuring range Case measuring range	-50 ÷ 200°C -20 ÷ 80°C (ABS); -40 ÷ 80°C (aluminum); -40 ÷ 120°C (policarbonate)
Class	A or B
Thermowell	4 x 30, with or without perforation, stainless steel 1.4541
Case dimensions (WxHxD)	64 x 58 x 35 mm (ABS, aluminum or policarbonate) 82 x 80 x 55 mm (sensor with transmitter 4...20 mA or 0...10V)

ORDERING

SCR500-X-X-X-X-X-X-X-X-X-X

temperature sensor:
1 : single
2 : double
PP : with transmitter

sensing element:
Pt 100
Pt 500
Pt 1000
other, please specify

sheath diameter (ØD):
4 mm
5 mm
6 mm
other, please specify

sheath length (L):
100 mm (standard)
other, please specify

case material:
PW : policarbonate
ABS : ABS
AL : aluminum

output signal and temperature transmitter settings:
please specify

sheath type:
Z : without perforation
P : with perforation

measuring circuit:
2 : 2-wire
3 : 3-wire
4 : 4-wire

accuracy class:
A
B

process connection
M10x1
M20x1,5
G1/2"
other, please specify

sensor mounting:
BG : without process connection
UG : with process connection

Ordering example:
SCR500-1-Pt100-4-100-PW-UG-M10x1-B-2-Z-0-80°C
RTD temperature sensor with transmitter, 1xPt100, B tolerance class, 2-wire measuring circuit, policarbonate case. Sheath without perforation, diameter 4 mm and length 100 mm, sensor mounting with process connection M10x1. Temperature range 0-80°C