

SCR500

- temperature range $-50 \div 200^{\circ}\text{C}$
- possibility of mounting a 4...20 mA or 0...10 V temperature transmitter
- stainless steel sheath with or without perforation, small diameter
- connection via terminal connector strip
- IP 65 protection degree



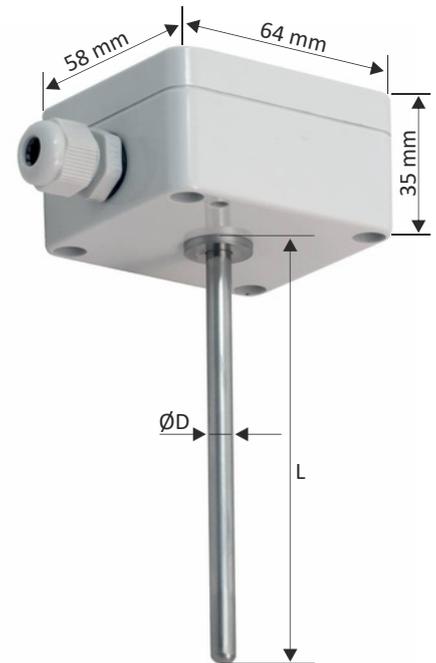
Resistance thermometers **SCR500** are designed for ambient temperature measurement. There is a possibility of assembling a programmable temperature transmitter with a 4...20 mA output signal into the housing. The protection tube with perforation allows for quick and precise temperature measurement, 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	$-50 \div 200^{\circ}\text{C}$
Case measuring range	$-20 \div 80^{\circ}\text{C}$ (ABS); $-40 \div 80^{\circ}\text{C}$ (aluminum); $-40 \div 120^{\circ}\text{C}$ (polycarbonate)
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 polycarbonate) 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-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 : polycarbonate
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-PP-Pt100-4-100-PW-UG-M10x1-B-2-Z-(0-80)

RTD temperature sensor with transmitter, 1xPt100, B tolerance class, 2-wire, polycarbonate case. Sheath without perforation, diameter 4 mm and length 100 mm, sensor mounting with process connection M10x1. Temperature range 0-80°C