



SCR100

- temperature range -50 ÷ 200°C
- operating temperature of connection heads max. 150°C
- stainless steel sheath
- optional: sensor with a replaceable measuring insert
- possibility of mounting a 4...20 mA or 0...10 V temperature transmitter
- connection head DANW with local display

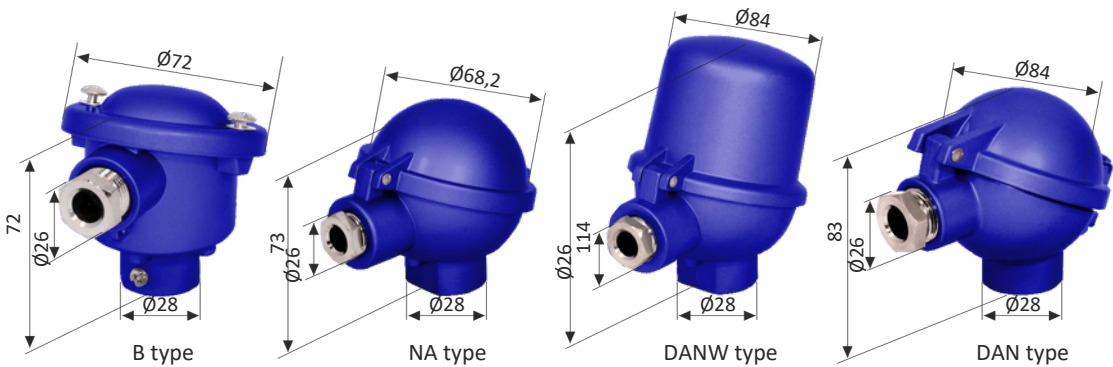
The resistance thermometer **SCR100** consists of an optional exchangeable measuring insert, outer protective tube (thermowell) and aluminum connection head, where mounting a temperature transmitter with 4...20 mA or 0...10V output signal is possible. The measuring insert represents the replaceable element of the complete sensor, which reduces time and costs of maintenance of the measuring apparatus installed in the object.

- Application areas:**
- machine construction, tanks or containers,
 - fine chemical industry,
 - light energy industry,
 - general industrial services.

TECHNICAL DATA

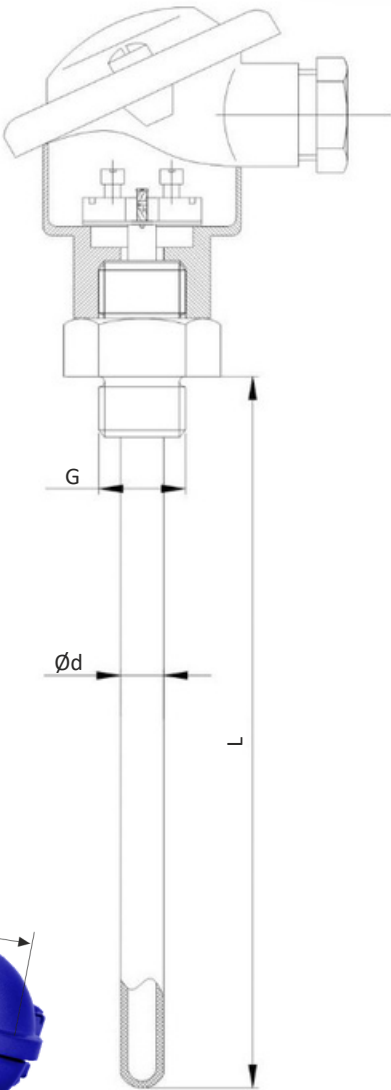
Sensing element	Pt100, Pt500 or Pt1000 (2-, 3- or 4-wire)
Measuring range	-50 ÷ 200°C
Connection head	B, NA or other, operating temperature -40 ÷ 150°C
Class	A, B or 1/3 B
Sheath	material: stainless steel 1.4541 or other nominal length: 100 mm, 160 mm or other diameter: 4 ÷ 15 mm
Process connection	G1/2", M20x1,5 or other

CONNECTION HEAD TYPES

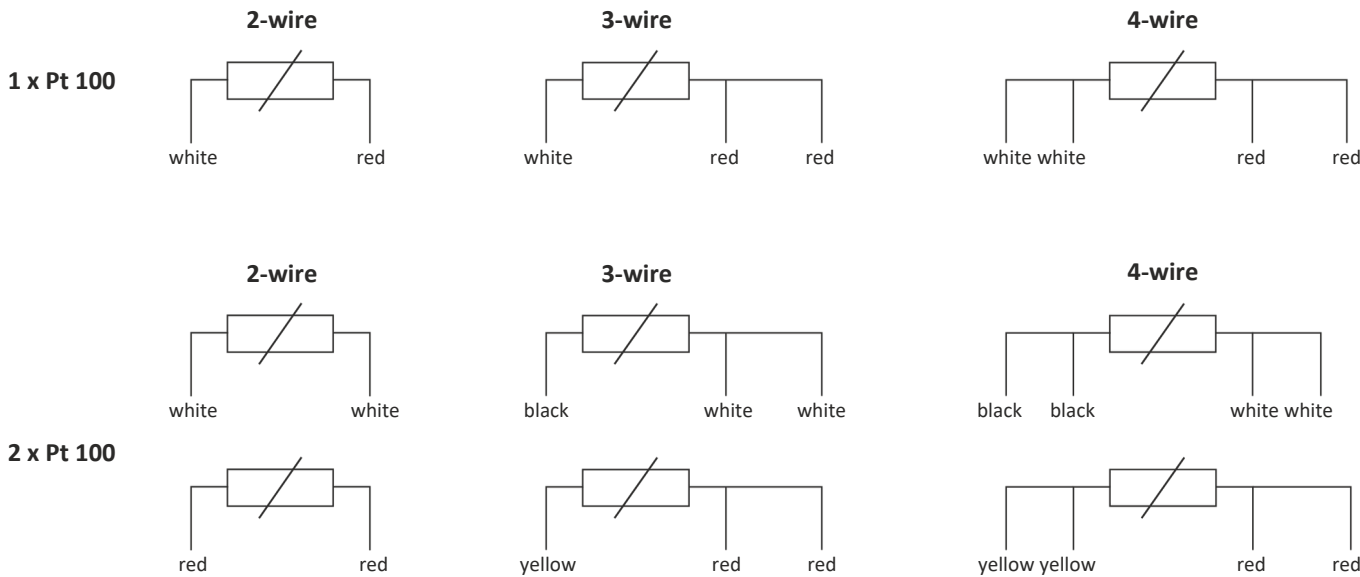


RESISTOR TOLERANCE ACC. TO PN-EN 60751

Class	Tolerance [°C]
1/3B	t = 0,10 + 0,002 x t
A	t = 0,15 + 0,002 x t
B	t = 0,30 + 0,005 x t



ELECTRICAL CONNECTION



ORDERING

SCR100-X-X-X-X-X-X-X-X-X

temperature sensor:
1 : single 2 : double PP1 : without ceramic block PP2 : with RTD/TC transmitter, 4...20mA PP3 : with other transmitter (on request)

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

connection head:
B
NA
other, please specify

sheath length (L):
100 mm 160 mm other, please specify [mm]

measuring insert:
BW : non-replaceable
W : replaceable

sensor measuring range, output type or temperature transmitter settings:
please specify

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

accuracy class:
A B 1/3B

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

sheath diameter (Ød):
4 mm 6 mm 9 mm
other, please specify

Ordering example:
SCR100-1-Pt100-B-100-W-9-M20x1,5-B-2-250
Single RTD temperature sensor, 1xPt100, B tolerance class, 2-wire, measuring insert replaceable, B head type, process connection M20x1,5, sheath diameter 9 mm and length 100 mm, sensor measuring range 250°C.

