



SCR100

- temperature range $-50 \div 200^{\circ}\text{C}$
- 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

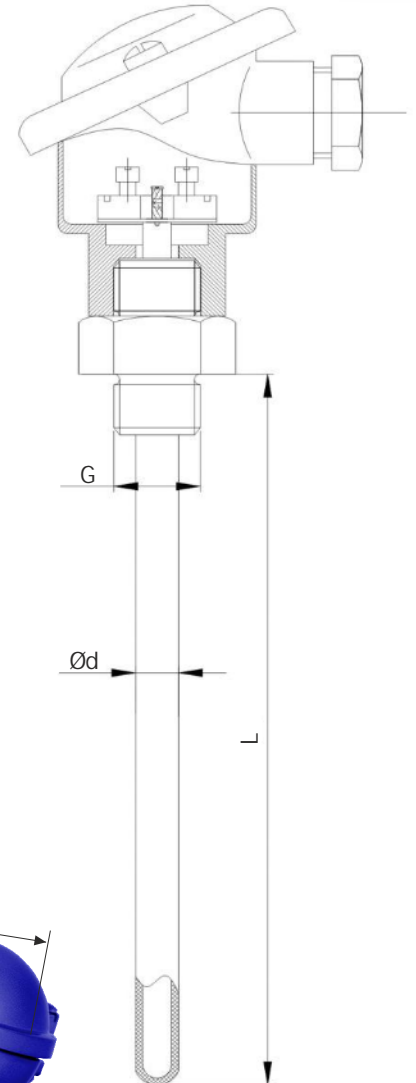
The resistance thermometer SCR100 consists of an optional exchangeable measuring insert, outer protective tube (thermowell) and aluminum connection head, where mounting a temperature transmitter with 4...20 mA or 0...10 V output signal is possible. The measuring insert represents the replaceable element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

Application areas

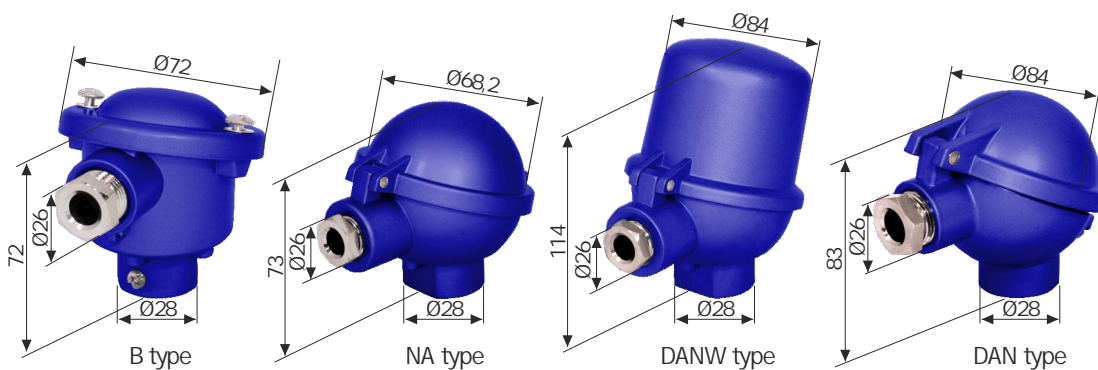
- machine construction, tanks or containers,
- fine chemical industry,
- light energy industry,
- general industrial services

TECHNICAL DATA

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



CONNECTION HEAD TYPES

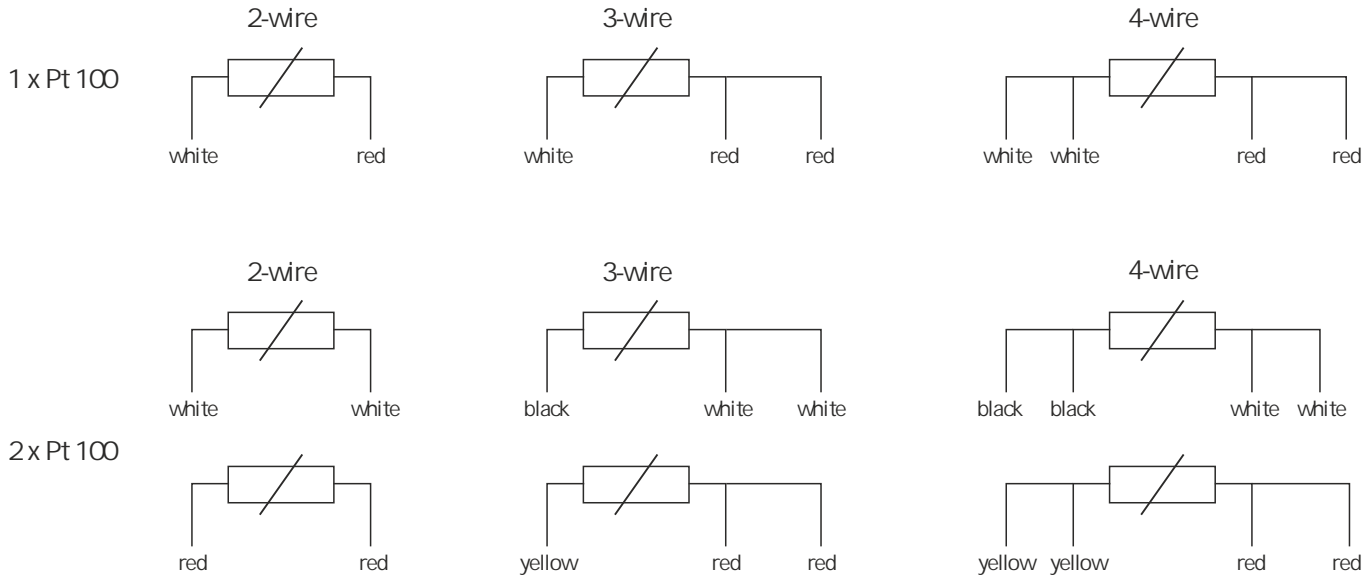


RESISTOR TOLERANCE ACC. TO PN-EN 60751

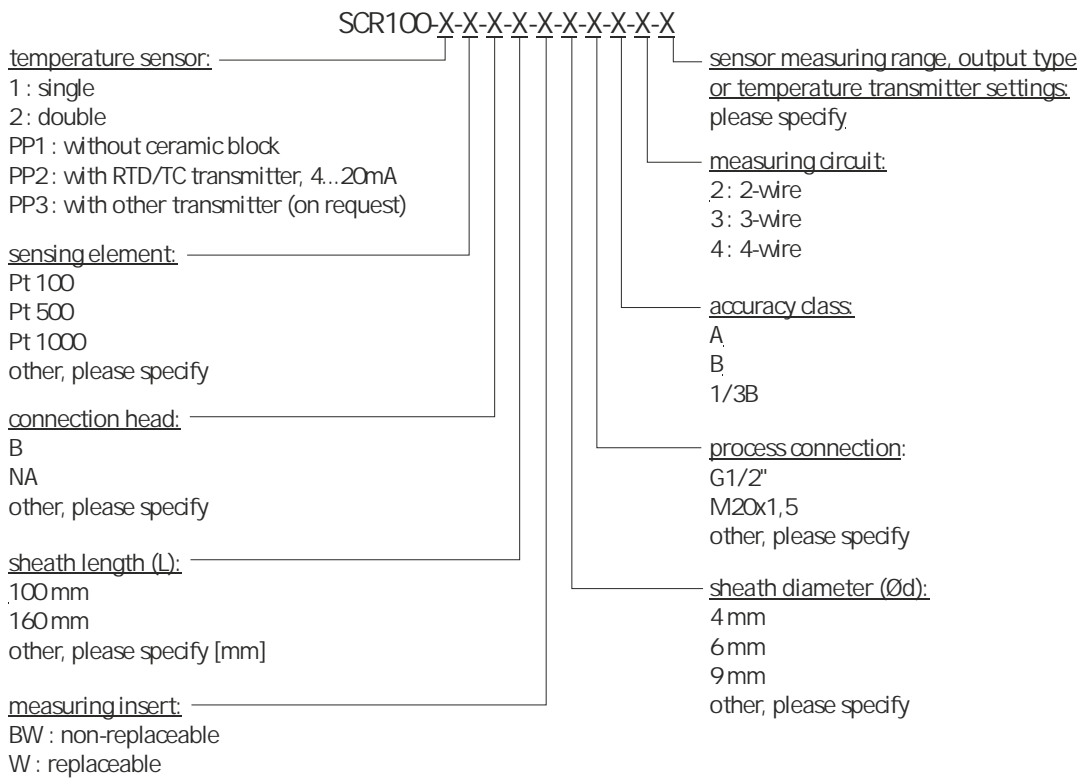
| Class | Tolerance [$^{\circ}\text{C}$] |
|-------|----------------------------------|
| 1/3B | $t = 0,10 + 0,002 \times t $ |
| A | $t = 0,15 + 0,002 \times t $ |
| B | $t = 0,30 + 0,005 \times t $ |



ELECTRICAL CONNECTION



ORDERING



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.

