



SCR102

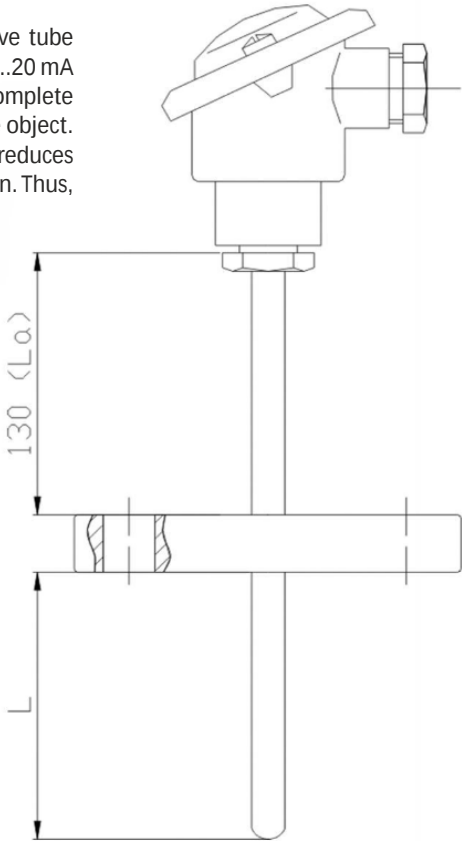
- temperature range -50 ÷ 550°C
- operating temperature of connection heads max. 150°C
- stainless steel sheath
- mounting flange
- possibility of mounting a 4...20 mA or 0...10 V temperature transmitter
- connection head DANW with local display

The resistance thermometer SCR102 consists of an exchangeable measuring insert, outer protective tube (thermowell) with neck, and aluminum connection head. 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 the time and costs of maintenance of the measuring apparatus installed in the object. Spring fixation of the measuring insert provides perfect pressure to the bottom of the protecting tube, reduces the time of reaction of temperature changes, and increases the accuracy. It also reduces natural vibration. Thus, mechanical and electrical defects can be avoided.

Application areas:
- fine chemical industry,
- light energy industry,
- general industrial services.

TECHNICAL DATA

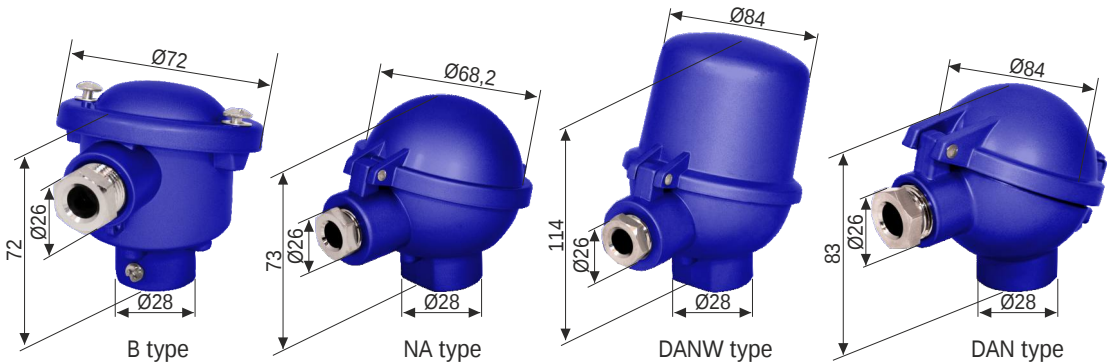
Sensing element	Pt100, Pt500 or Pt1000 (2-, 3- or 4-wire)
Measuring range	-50 ÷ 550°C
Connection head	B, NA or other, operating temperature -40 ÷ 150°C
Class	A, B or 1/3 B
Sheath	material: stainless steel 1.4541 or other nominal length: 130 mm (standard) or other diameter: 4 ÷ 15 mm flange DN20, DN25 or other



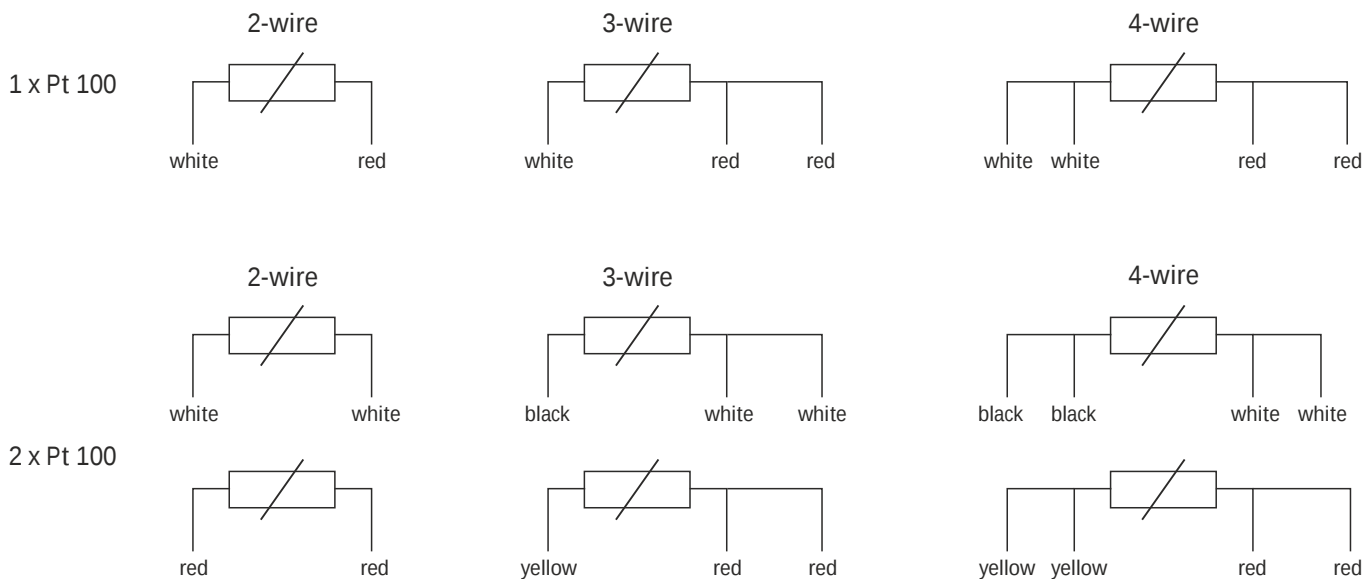
RESISTOR TOLERANCE ACC. TO PN-EN 60751

Class	Tolerance [°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 $

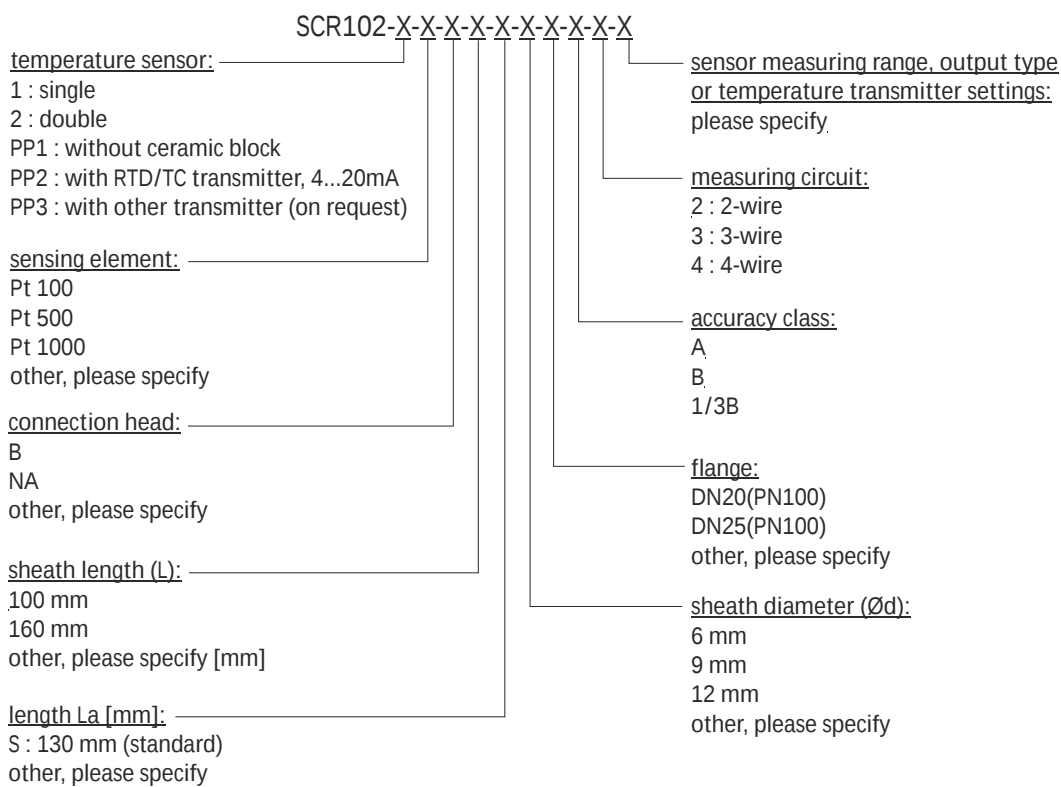
CONNECTION HEAD TYPES



ELECTRICAL CONNECTION



ORDERING



SCR102-1-Pt100-B-100-S-9-DN20(PN100)-B-2-150

Single RTD temperature sensor, 1xPt100, B tolerance class, 2-wire, B head type, sheath diameter 9 mm and length 100 mm, process connection flange DN20 (PN100), sensor measuring range 150°C.