

## SCR200



- temperature range  $-50 \div 400^{\circ}\text{C}$  (depending on the cable used)
- stainless steel sheath
- minimum sheath length: 15 mm
- any maximum sheath length
- thermowell spring protection against excessive cable bending

Resistance thermometers SCR200 are designed for fitting directly into a drilled hole or process. Consist of a thermometric resistor, protection tube made out of stainless steel, and connection cable.


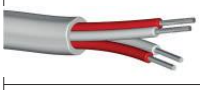





### Application areas

- fine chemical industry,
- light energy industry,
- general industrial services

### TECHNICAL DATA

Sensing element	Pt100, Pt500 or Pt1000 (2-, 3- or 4-wire)
Measuring range	$-50 \div 400^{\circ}\text{C}$ (depending on the cable used)
Class	A, B or 1/3 B
Sheath	material: stainless steel nominal length: 50 mm (standard) or other diameter: 4 mm, 5 mm, 6 mm or other
Cable	type according to the table, standard length 1500 mm or other according to order

### CONNECTION CABLES

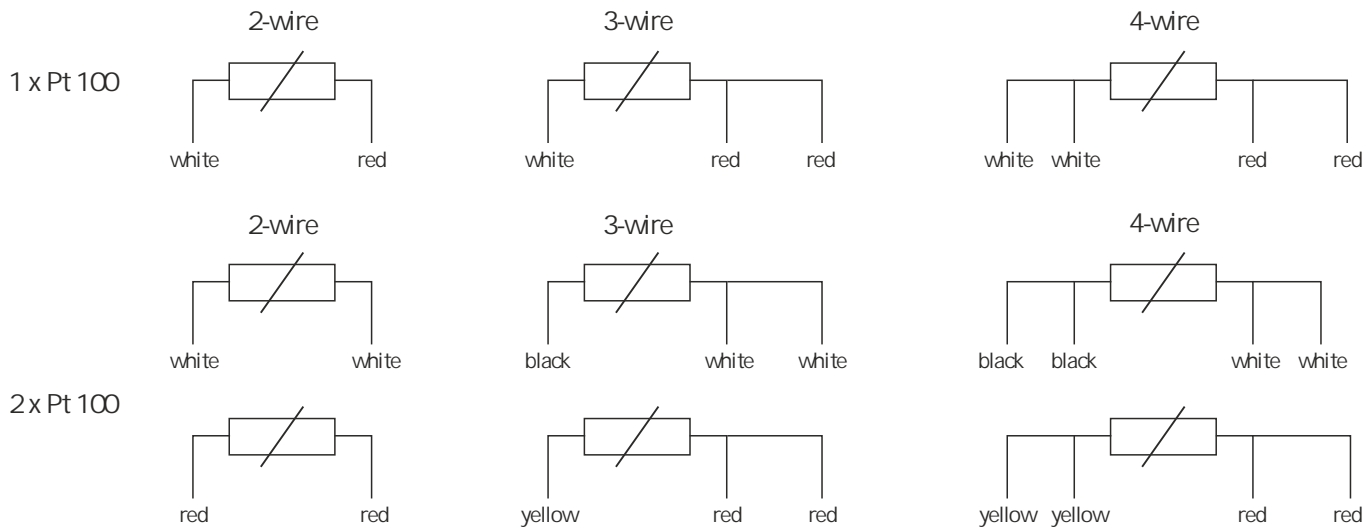
Diagram	Insulation design	Temperature range	Code
	Double fibreglass - stainless steel	$400^{\circ}\text{C}$ max.	WS
	PVC	$105^{\circ}\text{C}$ max.	PVC
	Teflon - stainless steel - teflon	$260^{\circ}\text{C}$ max.	TOT
	Teflon - stainless steel	$260^{\circ}\text{C}$ max.	TO
	Silicon - stainless steel - silicon	$180^{\circ}\text{C}$ max.	SOS
	Silicon - silicon	$250^{\circ}\text{C}$ max.	SS
	Teflon - teflon	$260^{\circ}\text{C}$ max.	TT



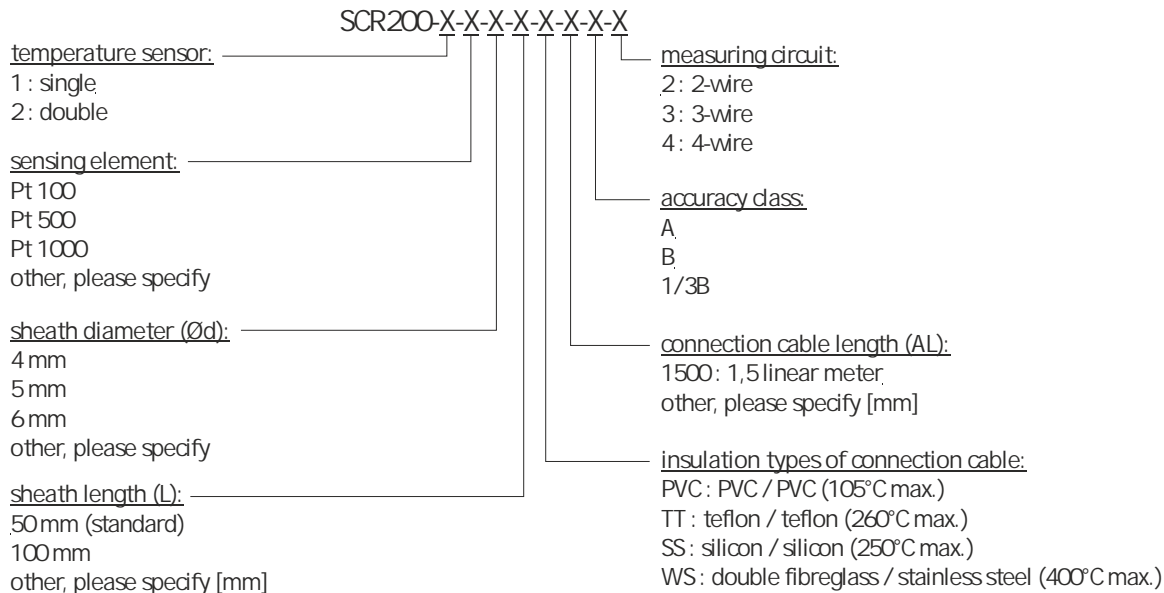
## RESISTOR TOLERANCE ACC. TO PN-EN 60751

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 $

## ELECTRICAL CONNECTION



## ORDERING



Ordering example:

SCR200-1-Pt100-6-50-WS-1500-B-2

Single RTD temperature sensor 1xPt100, B tolerance class, 2-wire, thermowell diameter 6 mm and length 50 mm, double fibreglass insulation, cable length 1500 mm.

