

SCR204



- temperature range $-50 \div 400^{\circ}\text{C}$ (depending on the cable used)
- mounting by threaded process connection
- standard diameter and length process connection with table
- stainless steel sheath
- thermowell spring protection against excessive cable bending

Resistance thermometers SCR204 are designed for screw-fitting directly into a process or machine parts. Consist of a thermometric resistor, threaded process connection made out of stainless steel, and connection cable. Process connection thread, number of sensors, accuracy, cable length, and insulation can be selected individually for the respective application.

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
Cable	type according to the table, standard length 1500 mm or other according to order
Process connection	G1/2; M10x1; M20x1,5 or other according to order

CONNECTION CABLES

Diagram	Insulation design	Temperature range	Code
	Double fiberglass - stainless steel	400°C max.	WS
	PVC	105°C max.	PVC
	Teflon - stainless steel - teflon	260°C max.	TOT
	Teflon - stainless steel	260°C max.	TO
	Silicon - stainless steel - silicon	180°C max.	SOS
	Silicon - silicon	250°C max.	SS
	Teflon - teflon	260°C max.	TT



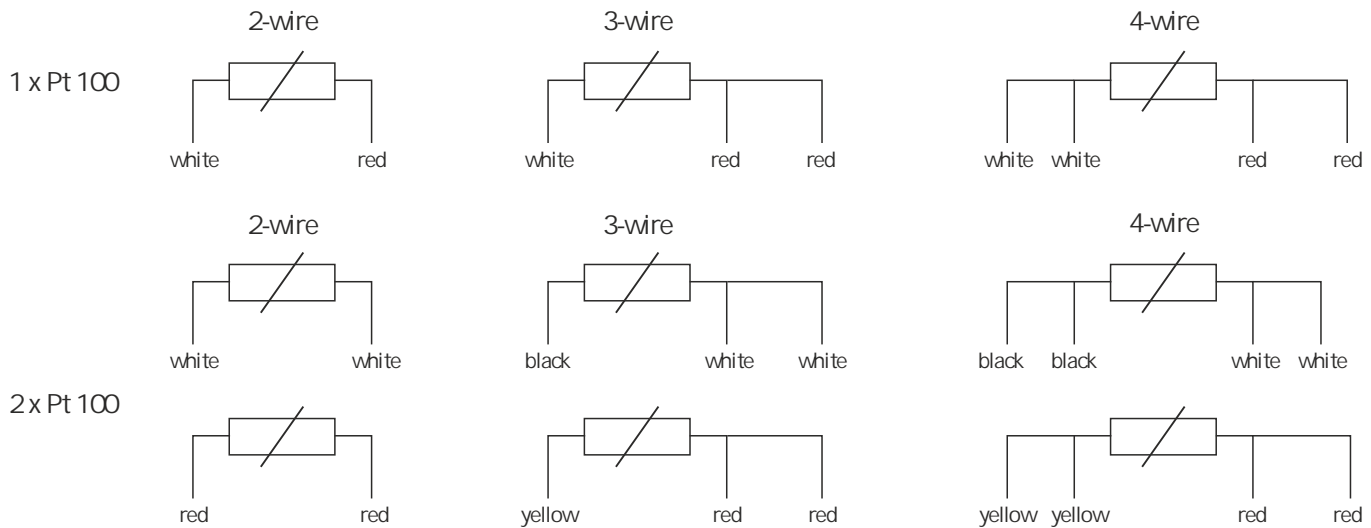
Thread (G)	Length (L1)
M8x1	10 mm
M10x1	10 mm
M12x1	10 mm
M16x1,5	15 mm
M20x1,5	20 mm
G1/8"	10 mm
G1/4"	12 mm
G1/2"	20 mm
1/8 NPT	11 mm
1/4 NPT	14 mm
1/2 NPT	18 mm



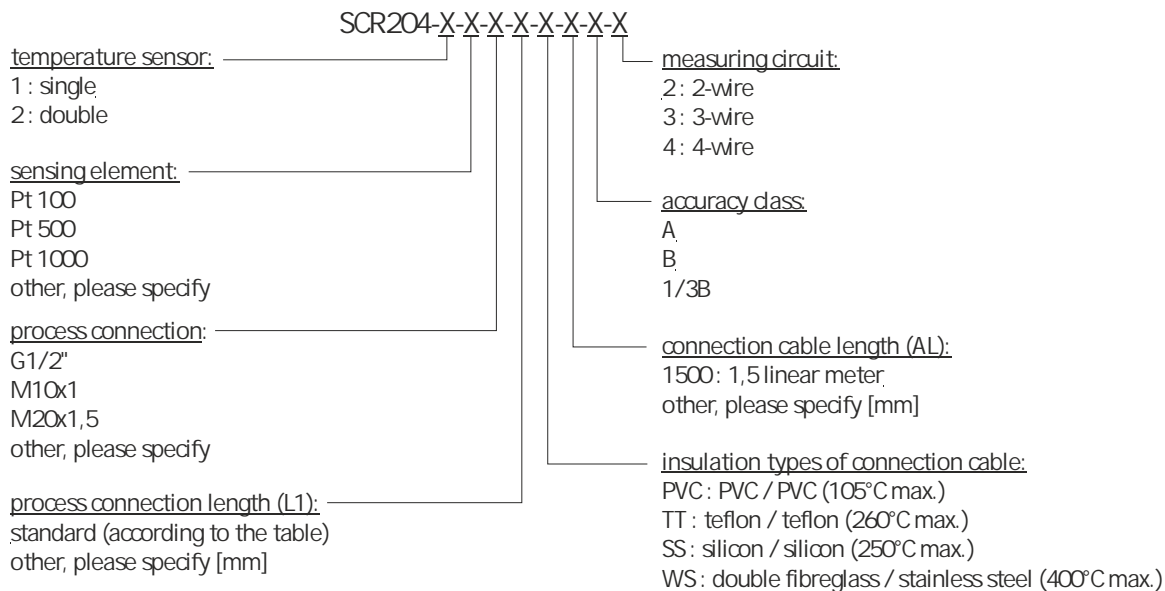
RESISTOR TOLERANCE ACC. TO PN-EN 60751

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:

SCR204-1-Pt100-M10x1-10-WS-1500-B-2

Single RTD temperature sensor, 1xPt100, B tolerance class, 2-wire, threaded thermowell connection M10x1 with standard length 10 mm, double fibreglass insulation, cable length 1500 mm.

