Welko | **simex**

SCR200

- temperature range -50 ÷ 400°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

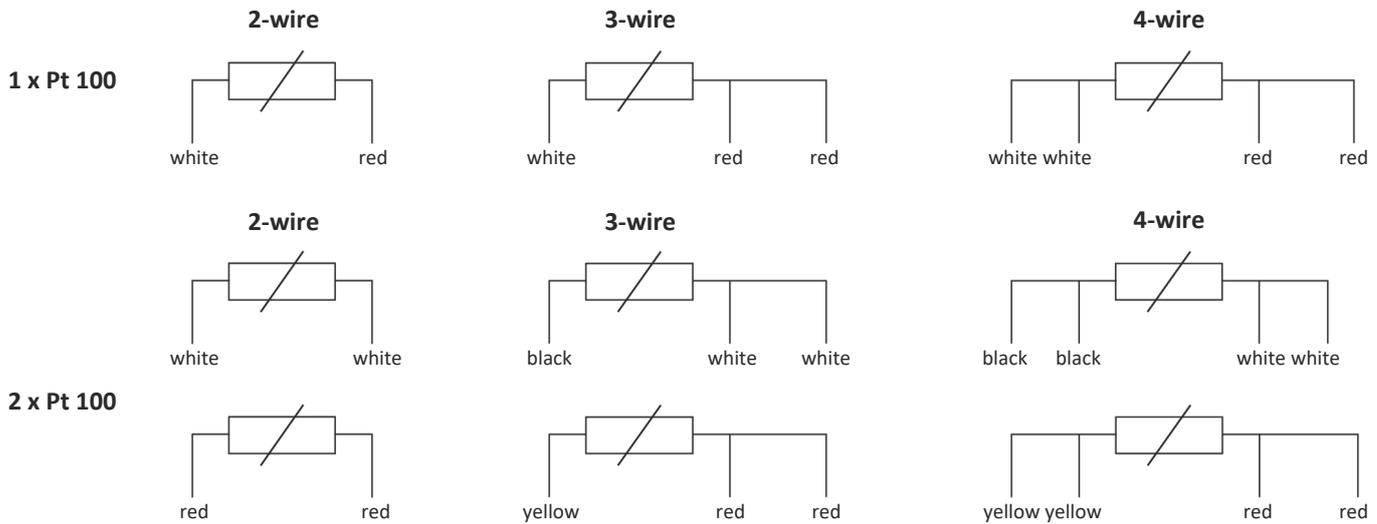|	
Sensing element	Pt100, Pt500 or Pt1000 (2-, 3- or 4-wire)
Measuring range	-50 ÷ 400°C (depending on the cable used)
Class	A, B or 1/3 B
Sheath	material: stainless steel nominal length: 50 mm (standard) or other diameter: 4 mm, 5 mm, 6 mm or other
Cable	type according to the table, standard length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

CONNECTION CABLES

Diagram	Insulation design	Temperature range	Code
	Double fibreglass - stainless steel	400°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

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SCR200.1

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

1 x Pt 100

2-wire

white — red

3-wire

white — red — red

4-wire

white white — red red

2-wire

white — white

3-wire

black — white — white

4-wire

black black — white white

2 x Pt 100

red — red

yellow — red — red

yellow yellow — red red

ORDERING

SCR200-X-X-X-X-X-X-X-X

temperature sensor:
1 : single
2 : double

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

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

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

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

accuracy class:
A B 1/3B

connection cable length (AL):
1500 : 1,5 linear meter
other, please specify [mm]

insulation types of connection cable:
PVC : PVC / PVC (105°C max.)
TT : teflon / teflon (260°C max.)
SS : silicon / silicon (250°C max.)
WS : double fibreglass / stainless steel (400°C max.)

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.

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SCR200.2