

## SCR204



- temperature range  $-50 \div 400^{\circ}\text{C}$  (depending on the cable used)
- stainless steel sheath
- standard diameter and length process connection with table
- 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.

### CONNECTION CABLES

Diagram	Insulation design	Temperature range	Code
	- double fiberglass - stainless steel - cond: nickel plated copper	$-50 \div 400^{\circ}\text{C}$	WS
	- PVC - cond: nickel plated copper	$105^{\circ}\text{C max.}$	PVC
	- teflon - stainless steel - teflon - cond: nickel plated copper	$260^{\circ}\text{C max.}$	TOT
	- teflon - stainless steel - cond: nickel plated copper	$260^{\circ}\text{C max.}$	TO
	- silicon - stainless steel - silicon - cond: nickel plated copper	$180^{\circ}\text{C max.}$	SOS
	- silicon - silicon - cond: nickel plated copper	$250^{\circ}\text{C max.}$	SS
	- teflon - teflon - cond: nickel plated copper	$260^{\circ}\text{C max.}$	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

### ORDERING

#### SCR204-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

#### process connection:

- G1/2"
- M10x1
- M20x1,5
- other, please specify

#### process connection length (L1):

- standard (according to the table)
- other, please specify [mm]

#### measuring circuit:

- 2 : 2-wire
- 3 : 3-wire
- 4 : 4-wire

#### accuracy class:

- A
- B
- 1/3B

#### connection cable length:

- 1500 : 1,5 linear meter
- other, please specify [mm]

#### insulation types of connection cable:

- PVC : PVC / PVC ( $110^{\circ}\text{C max.}$ )
- TS : teflon / silicon ( $180^{\circ}\text{C max.}$ )
- SS : silicon / silicon ( $250^{\circ}\text{C max.}$ )
- WS : double fibreglass / stainless steel ( $400^{\circ}\text{C max.}$ )

Ordering example:

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

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

