

SCR203



- temperature range $-50 \div 400^{\circ}\text{C}$ (depending on the cable used)
- stainless steel sheath
- assembly screw hole in thermowell allows to mount sensor
- thermowell spring protection against excessive cable bending

Resistance thermometers **SCR203** are designed for fitting directly into a drilled hole or process. Consist of a thermometric resistor, a protection tube made out of stainless steel, and a connection cable. Insertion length, thermowell diameter, 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°C max. | PVC |
| | - teflon - stainless steel - teflon - cond: nickel plated copper | 260°C max. | TOT |
| | - teflon - stainless steel - cond: nickel plated copper | 260°C max. | TO |
| | - silicon - stainless steel - silicon - cond: nickel plated copper | 180°C max. | SOS |
| | - silicon - silicon - cond: nickel plated copper | 250°C max. | SS |
| | - teflon - teflon - cond: nickel plated copper | 260°C max. | TT |



ORDERING

SCR203-X-X-X-X-X-X-X

temperature sensor:

- 1 : single
- 2 : double

sensing element:

- Pt 100
- Pt 500
- Pt 1000
- other, please specify

mounting hole diameter (Ød1):

- Ø3,2 mm
- Ø4,2 mm
- other, please specify

insulation types of connection cable:

- PVC : PVC / PVC (110°C max.)
- TS : teflon / silicon (180°C max.)
- SS : silicon / silicon (250°C max.)
- WS : double fiberglass / stainless steel (400°C max.)

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]

Ordering example:

SCR203-1-Pt100-3,2-WS-1500-B-2

Single RTD temperature sensor, 1xPt100, B tolerance class, 2-wire, mounting hole diameter 3,2 mm, fiberglass insulation, cable length 1500 mm

| Sheath diameter | Mounting hole diameter (d1) | Width (d) |
|-----------------|-----------------------------|-----------|
| Ø 4 mm | Ø 3,2 mm | 6 mm |
| Ø 6 mm | Ø 4,2 mm | 8 mm |
| Ø 6 mm | Ø 5,2 mm | 10 mm |

