

SCR212



- temperature range $-50 \div 400^{\circ}\text{C}$ (depending on the cable used)
- stainless steel sheath
- minimum sheath diameter: 3 mm
- any length of the sheath
- stainless steel smooth handle
- spring protection against excessive cable bending
- sensor connection standard or mini plug

Resistance thermometers **SCR212** are industrial standard sensors with high accuracy and stability. They are intended for industrial and laboratory applications. Thanks to their design of tight thermowell with a stainless steel handle, they can be used in a dry environment as well as in wet baths. Lead wire can be with the insulated bare ends ready for being assembled to a connector or directly to a measuring device.








Application areas:

- food industry, warehouses,
- general industrial services.

TECHNICAL DATA

Sensing element	Pt100, Pt500, Pt1000 (2-, 3- or 4-wire)
Measuring range	$-60 \div 450^{\circ}\text{C}$ (depending on the cable used)
Process connection	standard or mini plug
Class	A or B
Thermowell	material: stainless steel 1.4541 length: 100 mm (standard) diameter: 3,5 or 4 mm
Cable	type with table, standard length 1500 mm or other according to order

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



OPTIONAL EQUIPMENT



„mini” plug



„standard” plug

ORDERING

SCR212-X-X-X-X-X-X-X-X-X-X

temperature sensor:

- 1 : single
- 2 : double
- PP : with transmitter

sensing element:

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

sheath diameter (Ød):

- 3,5 mm
- 4 mm
- other, please specify

sheath length (L):

- 100 mm (standard)
- other, please specify [mm]

cable design:

- P : straight
- S : twisted (PVC-105°C)

sensor measuring range or temperature transmitter settings:
please specify

process connection:

- WS : standard plug
- WM : mini plug
- : no process connection

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

Ordering example:

SCR212-1-Pt100-4-100-P-TS-1500-B-2-150°C

Single RTD temperature sensor, 1xPt100, B tolerance class, 2-wire measuring circuit, sheath diameter 4 mm and length 100 mm, teflon insulation, sensor measuring range 150°C.

