

SCR209



- temperature range $-50 \div 400^{\circ}\text{C}$ (depending on the cable used)
- mounting by the hose-dip directly onto pipelines
- brass sheath with a specially contoured shape

Resistance thermometers SCR209 are designed for assembling directly onto pipelines or other cylindrical elements. Hose-dip (in complete with sensor) allows mounting sensors on a pipeline system. SCR209 consists of a thermometric resistor, protection tube made out of brass, hose-dip and connection cable.

Application areas

- temperature measurement of pipelines and other cylindrical elements,
- general industrial services

TECHNICAL DATA

Sensing element	Pt100, Pt500, Pt1000 (2-, 3- or 4-wire)
Measuring range	$-50 \div 400^{\circ}\text{C}$ (depending on the cable used)
Class	A, B or 1/3B
Thermowell	material: brass
Cable	type according to the table, standard length 1500 mm 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

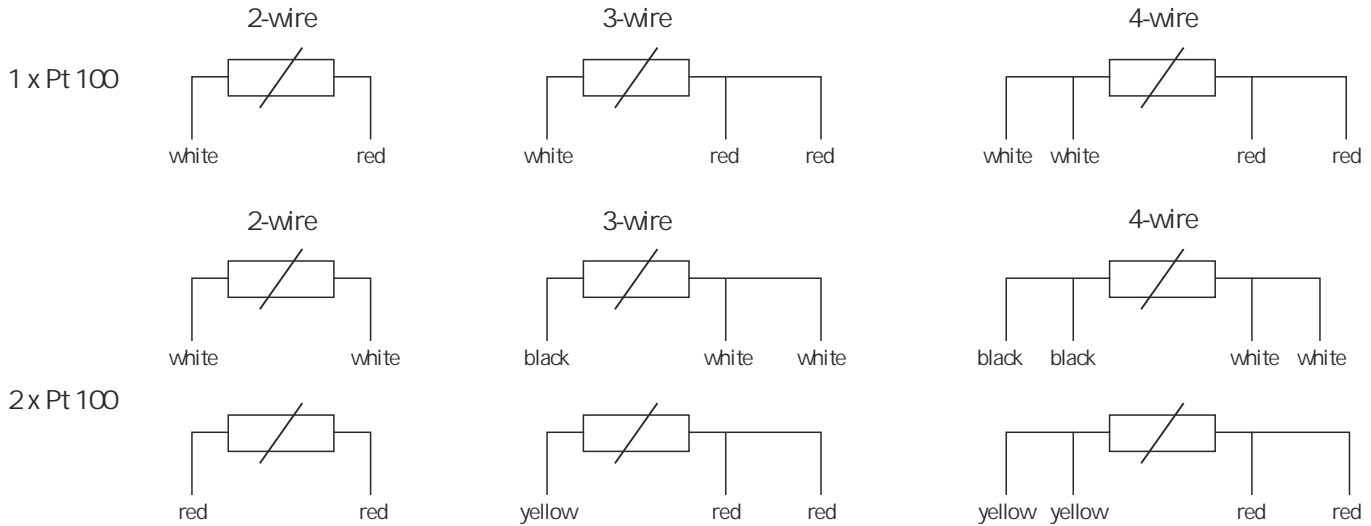


RESISTOR TOLERANCE ACC. TO PN-EN 60751

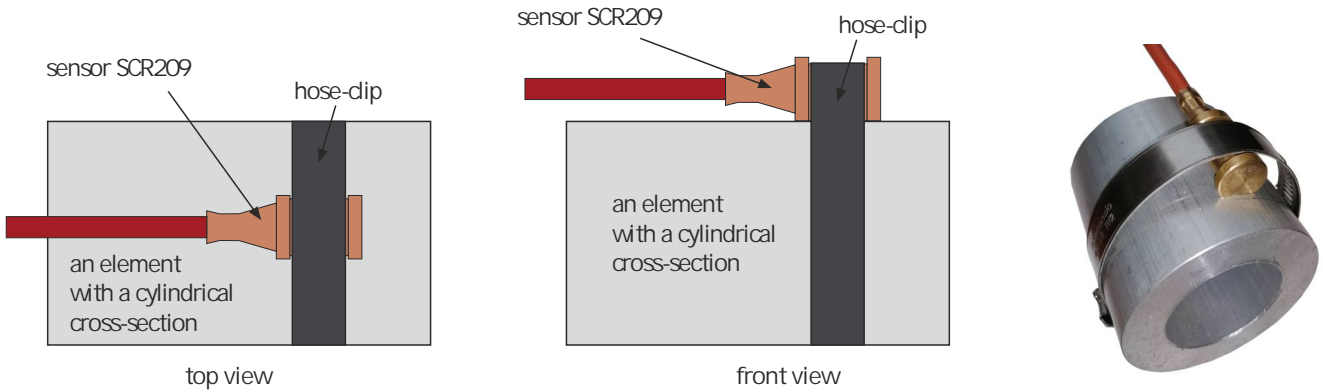
Class	Tolerance [$^{\circ}\text{C}$]
1/3B	$t = 0,10 + 0,002 \times t $
A	$t = 0,15 + 0,002 \times t $
B	$t = 0,30 + 0,005 \times t $



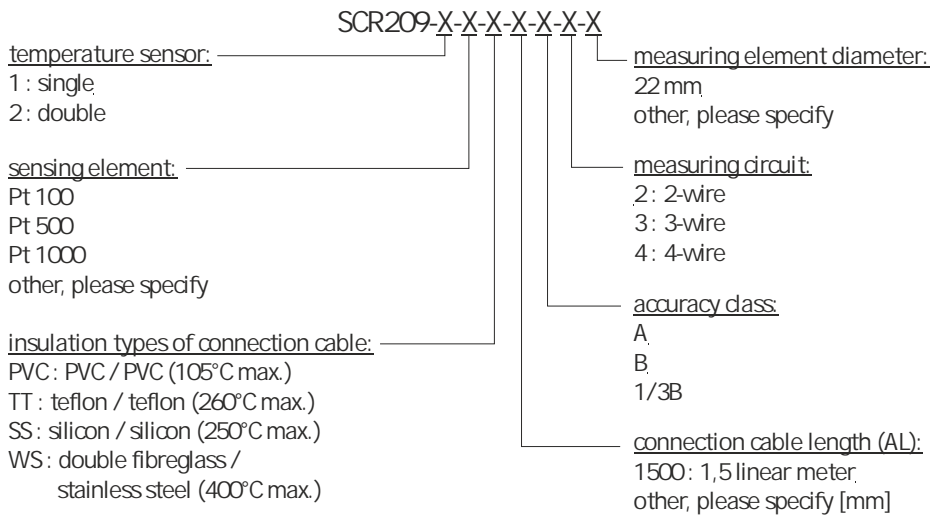
ELECTRICAL CONNECTION



MOUNTING



ORDERING



Ordering example:
 SCR209-1-Pt100-TT-1500-B-2-22
 Single RTD temperature sensor, 1xPt100, B tolerance class, 2-wire, teflon insulation, hose-clip match to Ø22 mm, connection cable length 1500 mm.

