

## SCR207



- temperature range  $-50 \div 400^{\circ}\text{C}$  (depending on the cable used)
- mounting by threaded process connection
- stainless steel sheath
- minimum sheath length: 15 mm, minimum sheath diameter: 3 mm
- thermowell spring protection against excessive cable bending

Resistance thermometers SCR207 are designed for general temperature measurement in a wide range of applications. For installation in measuring sockets of machines, tanks, etc. The sensor consists of a stainless sheath with a specified diameter and length, a thread enabling installation and a connecting cable. The movable threaded connector allows easy installation of the sensor. The thermowell ends with an additional spring to prevent the cable from breaking.




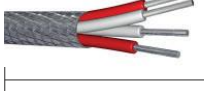



## Application areas:

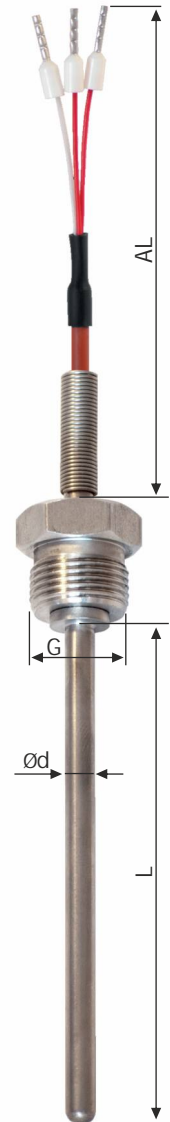
- fine chemical industry,
- light energy industry,
- general industrial services.

## TECHNICAL DATA

Sensing element	Pt100, Pt500 or Pt1000 (2-, 3- or 4-wire)
Measuring range	$-50 \div 400^{\circ}\text{C}$ (depending on the cable used)
Class	A, B or 1/3 B
Sheath	material: stainless steel nominal length (min. 15 mm): 50 mm (standard), 100 mm or other diameter (min. 3 mm): 4 mm, 5 mm or other
Cable	type according to the table, standard length 1500 mm or other according to order
Process connection	G1/2; M12x1; M14x1,5 or other according to order

## CONNECTION CABLES

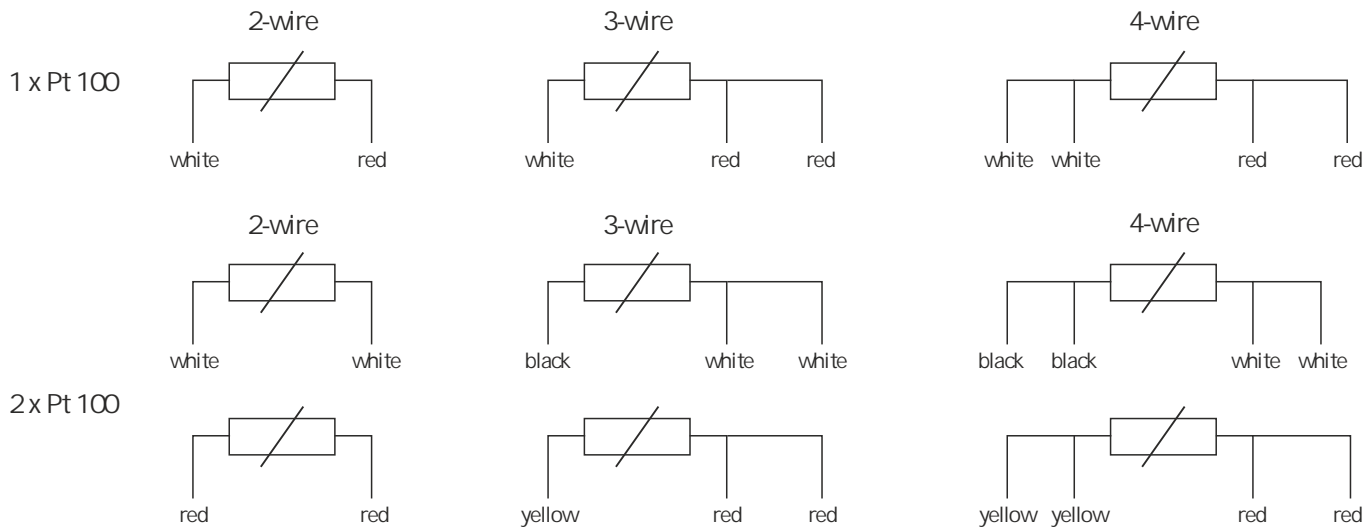
Diagram	Insulation design	Temperature range	Code
	Double fiberglass - stainless steel	$400^{\circ}\text{C}$ max.	WS
	PVC	$105^{\circ}\text{C}$ max.	PVC
	Teflon - stainless steel - teflon	$260^{\circ}\text{C}$ max.	TOT
	Teflon - stainless steel	$260^{\circ}\text{C}$ max.	TO
	Silicon - stainless steel - silicon	$180^{\circ}\text{C}$ max.	SOS
	Silicon - silicon	$250^{\circ}\text{C}$ max.	SS
	Teflon - teflon	$260^{\circ}\text{C}$ max.	TT



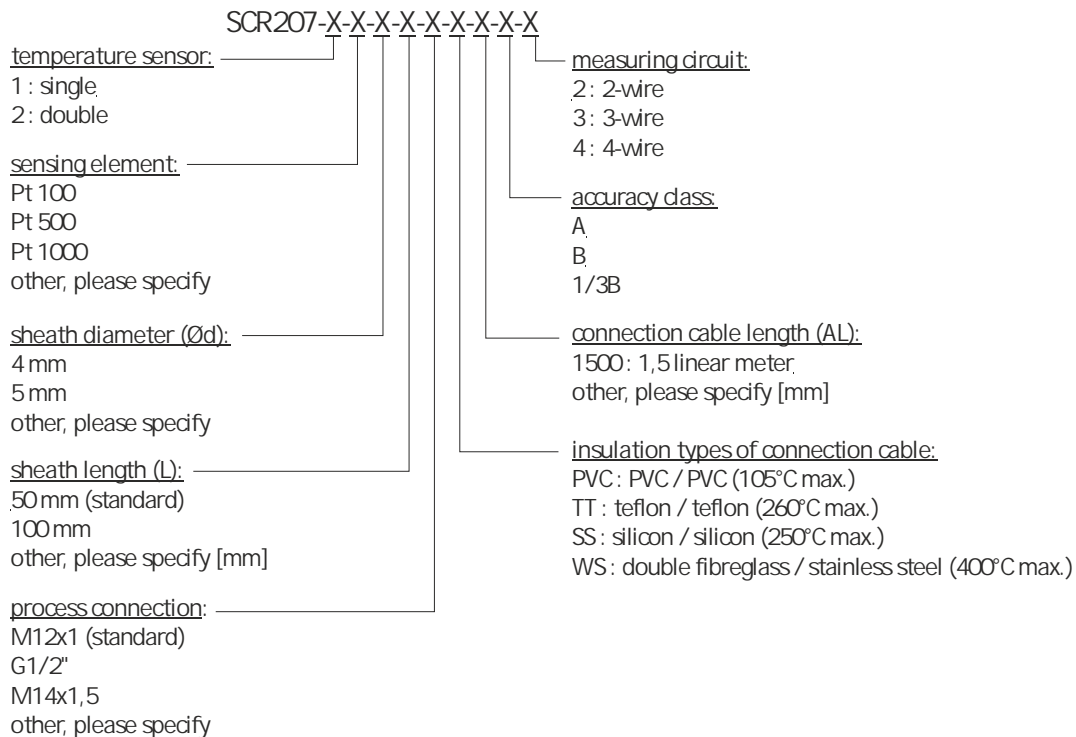
## RESISTOR TOLERANCE ACC. TO PN-EN 60751

Class	Tolerance [°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



## ORDERING



Ordering example:

SCR207-1-Pt100-6-50-M14x1,5-WS-1500-B-2

Single RTD temperature sensor, 1xPt100, B tolerance class, 2-wire, process connection M14x1,5, thermowell diameter 6 mm, length 50 mm, double fibreglass insulation, connection cable length 1500 mm.

