

## SCR207



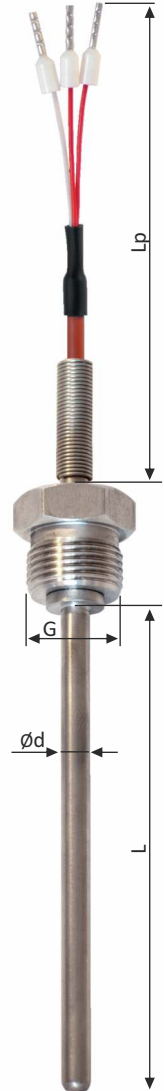
- temperature range  $-50 \div 400^{\circ}\text{C}$  (depending on the cable used)
- stainless steel sheath
- minimum sheath length: 15 mm, minimum sheath diameter: 2 mm
- thermowell spring protection against excessive cable bending

Resistance thermometers **SCR207** are designed for assembling directly onto machine parts or other construction elements. Consist of a thermoresistor, protection tube made out of stainless steel, aluminum, or brass, and connection cable.

**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



### ORDERING

#### SCR207-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

**sheath diameter (Ød):**

- 4 mm
- 5 mm
- other, please specify

**sheath length (L):**

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

**process connection:**

- M12x1 (standard)
- G1/2"
- M14x1,5
- other, please specify

**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 fiberglass / stainless steel ( $400^{\circ}\text{C max.}$ )

Ordering example:

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

Single RTD temperature sensor, 1xPt100, B tolerance class, 2-wire measuring circuit, process connection M14x1,5, thermowell diameter  $\varnothing 6$  mm, length  $L=50$  mm, fiberglass insulation, connection cable length 1500 mm