

SCT200



- temperature range $-40 \div 400^{\circ}\text{C}$ (depending on the cable used)
- stainless steel sheath
- minimum sheath length: 15 mm
- any maximum sheath length
- thermowell spring protection against excessive cable bending

The thermocouples **SCT200** are designed for fitting directly into a drilled hole or process. Consist of a thermocouple element, a protection tube made out of stainless steel, and a 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 | $-40 \div 400^{\circ}\text{C}$ | WS |
| | - PVC - cond: nickel plated copper | $-10^{\circ}\text{C} \div 105^{\circ}\text{C}$ | 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 | $-40^{\circ}\text{C} \div 250^{\circ}\text{C}$ | SS |
| | - teflon - teflon - cond: nickel plated copper | $-40^{\circ}\text{C} \div 205^{\circ}\text{C}$ | TT |

ORDERING

SCT200-X-X-X-X-X-X-X-X

| | |
|---|--|
| <p>temperature sensor:</p> <p>1 : single 2 : double</p> <p>sensing element:</p> <p>J K N other, please specify</p> <p>construction:</p> <p>P : straight K : angular</p> <p>sheath diameter (Ød):</p> <p>4 mm 5 mm 6 mm other, please specify</p> <p>sheath length (L):</p> <p>50 mm (standard) 100 mm other, please specify [mm]</p> | <p>accuracy class:</p> <p>class 1 class 2</p> <p>junction type:</p> <p>SO : junction isolated from the sheath SU : junction grounded</p> <p>connecting cable length:</p> <p>1500 : 1,5 linear meter other, please specify [mm]</p> <p>insulation types of connection cable:</p> <p>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.)</p> |
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Ordering example:
SCT200-1-J-6-50-WS-1500-SO-2
 Single TC temperature sensor, J thermocouple, 2 tolerance class, thermowell diameter 6 mm and length 50 mm, fiberglass insulation, cable length 1500 mm, hot junction isolated from the sheath

