

SCT204



- temperature range $-40 \div 400^{\circ}\text{C}$ (depending on the cable used)
- stainless steel sheath
- standard diameter and length process connection with table
- thermowell spring protection against excessive cable bending

The thermocouples **SCT204** are designed for fitting directly into a drilled hole or process. Consists of a thermocouple element, a protection tube made out of stainless steel, and a connection cable. Sensor insertion length, thermowell diameter, process connection thread, number of sensors, accuracy, cable length, and insulation can be selected individually for the respective application.

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



Thread (G)	Length (L1)
M8x1	10 mm
M10x1	10 mm
M12x1	10 mm
M16x1,5	15 mm
M20x1,5	20 mm
G1/8"	10 mm
G1/4"	12 mm
G1/2"	20 mm
1/8 NPT	11 mm
1/4 NPT	14 mm
1/2 NPT	18 mm

ORDERING

SCT204-X-X-X-X-X-X-X-X

temperature sensor:

- 1 : single
- 2 : double

sensing element:

- J
- K
- N
- other, please specify

process connection:

- G1/2"
- M10x1
- M20x1,5
- other, please specify

process connection length (L1):

- standard (according to the table)
- other, please specify [mm]

accuracy class:

- class 1
- class 2

junction type:

- SO : junction isolated from the sheath
- SU : junction grounded

connecting 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 fiberglass / stainless steel (400°C max.)

Ordering example:

SCT204-1-K-M10x1-WS-1500-SO-2

Single TC temperature sensor, K thermocouple, 2 tolerance class, threaded thermowell connection M10x1 with standard length 10 mm, fiberglass insulation, cable length 1500 mm, hot junction isolated from the sheath

