

# SCT209



- temperature range  $-40 \div 400^{\circ}\text{C}$  (depending on the cable used)
- brass sheath with a specially contoured shape
- hose-clip with sensor

The thermocouples **SCT209** are designed for assembling directly onto pipelines or other cylindrical elements. Hose-clip allows mounting sensors on a pipeline system. SCT209 consists of a thermometric resistor, protection tube made out of brass, hose-clip and connection cable.

**Application areas:**

- temperature measurement of pipelines and other cylindrical elements
- 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	$260^{\circ}\text{C max.}$	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	$-40^{\circ}\text{C} \div 250^{\circ}\text{C}$	SS
	- teflon - teflon - cond: nickel plated copper	$-40^{\circ}\text{C} \div 205^{\circ}\text{C}$	TT



## ORDERING

SCT209-X-X-X-X-X-X

- temperature sensor:**
  - 1 : single
  - 2 : double
- sensing element:**
  - J
  - K
  - N
  - other, please specify
- 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 ( $400^{\circ}\text{C max.}$ )
- measuring element diameter:**
  - 22 mm
  - other, please specify
- 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]

Ordering example:

**SCT209-1-K-TS-1500-SU-2-22**

Single TC temperature sensor, K thermocouple, 2 tolerance class, single conductors in teflon insulation, hose-clip match to  $\varnothing 22$  mm, connection cable length 1500 mm, junction grounded

