

SCT210



- temperature range $-10 \div 300^{\circ}\text{C}$ (depending on the cable used)
- various magnetic surfaces
- thermowell spring protection against excessive cable bending

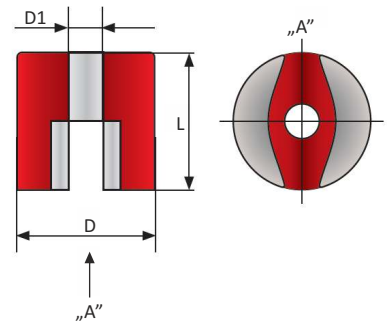
The thermocouples **SCT210** are suitable for temperature measurement on the ferrous surface up to a maximum of 450°C . SCT210 sensor consists of thermometric resistor, magnetic surface, and connection cable.

Application areas:

- temperature measurement of ferrous material,
- 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

SCT210-X-X-X-X-X-X-X

- temperature sensor:**
 - 1 : single
 - 2 : double
- sensing element:**
 - J
 - K
 - N
 - other, please specify
- magnetic surface (with table):**
 - M1
 - M2
 - M3
 - M4
- 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:**
 - T : single cond teflon (260°C max.)
 - WS1 : single cond fibreglass (400°C max.)
 - other, please specify

Ordering example:

SCT210-1-K-M1-T-1500-SO-2

Single TC temperature sensor, K thermocouple, 2 tolerance class, magnet type M1, single conductors in teflon insulation, connection cable length 1500 mm, hot junction isolated from the sheath

MAGNETIC SURFACE

Magnetic surface	Diameter D	Diameter D1	Length L	Adhesion force
M1	$\varnothing 13 \text{ mm}$	$\varnothing 4,2 \text{ mm}$	10 mm	7 [N]
M2	$\varnothing 19 \text{ mm}$	$\varnothing 5,4 \text{ mm}$	13 mm	19 [N]
M3	$\varnothing 25 \text{ mm}$	$\varnothing 5,4 \text{ mm}$	16 mm	29 [N]
M4	$\varnothing 32 \text{ mm}$	$\varnothing 7 \text{ mm}$	25 mm	66 [N]

