Thermoelectric temperature sensors

simex

SCT205

- temperature range -40 ÷ 400°C (depending on the cable used)
- sheath made of aluminum, brass or stainless steel
- thermowell spring protection against excessive cable bending

The thermocouples **SCT205** are designed for assembling directly onto machine parts or other construction elements. Consist of a thermocouple sensor, 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 fibreglass - stainless steel - cond: nickel plated copper	-40 ÷ 400°C	WS
	- PVC - cond: nickel plated copper	-10°C ÷ 105°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°C ÷ 250°C	SS
	- teflon - teflon - cond: nickel plated copper	-40°C ÷ 205°C	TT

ORDERING

SCT205-X-X-X-X-X-X-X-X

temperature sensor:
1 : single
2 : double

sensing element:
J
K
N
other, please specify

sheath material:
A : aluminum (standard)
S : stainless steel
M : brass

sheath length (L):
50 mm (standard)
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 fibreglass / stainless steel (400°C max.)

Ordering example:
SCT205-1-J-A-50-WS-1500-SO-2
Single TC temperature sensor, K thermocouple, 2 tolerance class, aluminum thermowell with standard length 50 mm, fibreglass insulation, connection cable length 1500 mm, hot junction isolated from the sheath