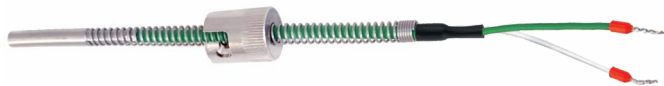


## SCT208



- temperature range  $-40 \div 400^{\circ}\text{C}$  (depending on the cable used)
- mounting using a threaded bayonet of any length
- stainless steel sheath
- adjustable spring force of sensor
- different types of sheath ends

The thermocouples SCT208 are designed for screw-fitting directly into the machine body or parts. The adjustable spring force of the sensor mounting provides optimum measurement conditions in the environment where vibrations appear. SCT208 sensor consists of a thermocouple element, protection tube made out of stainless steel, connection cable, adjustable bayonet cap with spring. The sensor can be additionally equipped with a bayonet adaptor.

### Application areas:

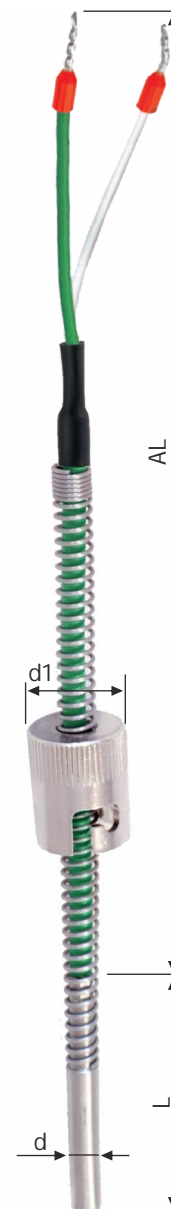
- plastic industry,
- movable and replaceable machine parts.

### TECHNICAL DATA

Sensing element	J, K, N, R, S, B thermocouple or other (single, double)
Measuring range	$-40 \div 400^{\circ}\text{C}$ (depending on the cable used)
Class	1 or 2
Sheath	material: stainless steel nominal length: 10 mm (standard) or other diameter: 5 mm, 6 mm, 8 mm or other
Cable	type according to the table, standard length 1500 mm or other according to order
Process connection	G1/2; M10x1; M14x1,5; M20x1,5 or other according to order
Measuring end	flat, spherical or cone

### CONNECTION CABLES

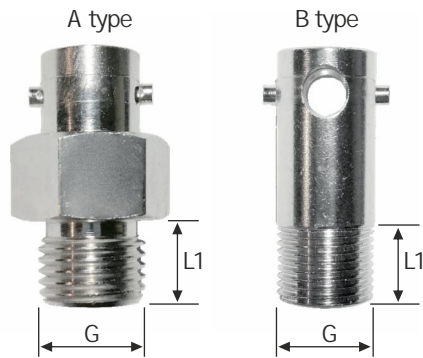
Diagram	Insulation design	Temperature range	Code
	Double fiberglass - stainless steel	$-40 \div 400^{\circ}\text{C}$	WS
	PVC	$-10^{\circ}\text{C} \div 105^{\circ}\text{C}$	PVC
	Teflon - stainless steel - teflon	$260^{\circ}\text{C max.}$	TOT
	Teflon - stainless steel	$260^{\circ}\text{C max.}$	TO
	Silicon - stainless steel - silicon	$180^{\circ}\text{C max.}$	SOS
	Silicon - silicon	$-30^{\circ}\text{C} \div 250^{\circ}\text{C}$	SS
	Teflon - teflon	$-40^{\circ}\text{C} \div 260^{\circ}\text{C}$	TT



THERMOCOUPLES TOLERANCE ACC. TO PN-EN 60584

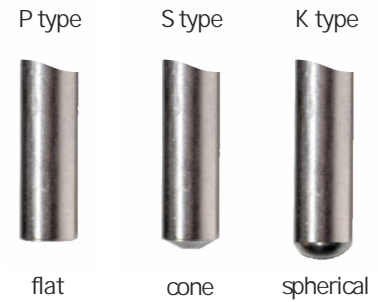
Thermocouple	Class 1		Class 2	
	Temperature range	Tolerance	Temperature range	Tolerance
J (Fe-CuNi)	-40 ÷ 750°C	± 1,5°C	-40 ÷ 750°C	± 2,5°C
K (NiCr-Ni)	-40 ÷ 1000°C	± 0,0040°C x   t	-40 ÷ 1200°C	± 0,0075°C x   t
N (NiCr-Si-NiSi)	-40 ÷ 1000°C		-40 ÷ 1200°C	
B (PtRh30-PtRh6)	-	-	600 ÷ 1700°C	± 0.0025°C x   t
R (PtRh13-Pt)	0 ÷ 1100°C	± 1.0°C	0 ÷ 600°C	± 1.5°C
S (PtRh10-Pt)	1100 ÷ 1600°C	± [1+0.003(t-1100)]°C	600 ÷ 1600°C	± 0.0025°C x   t

BAYONET TYPES

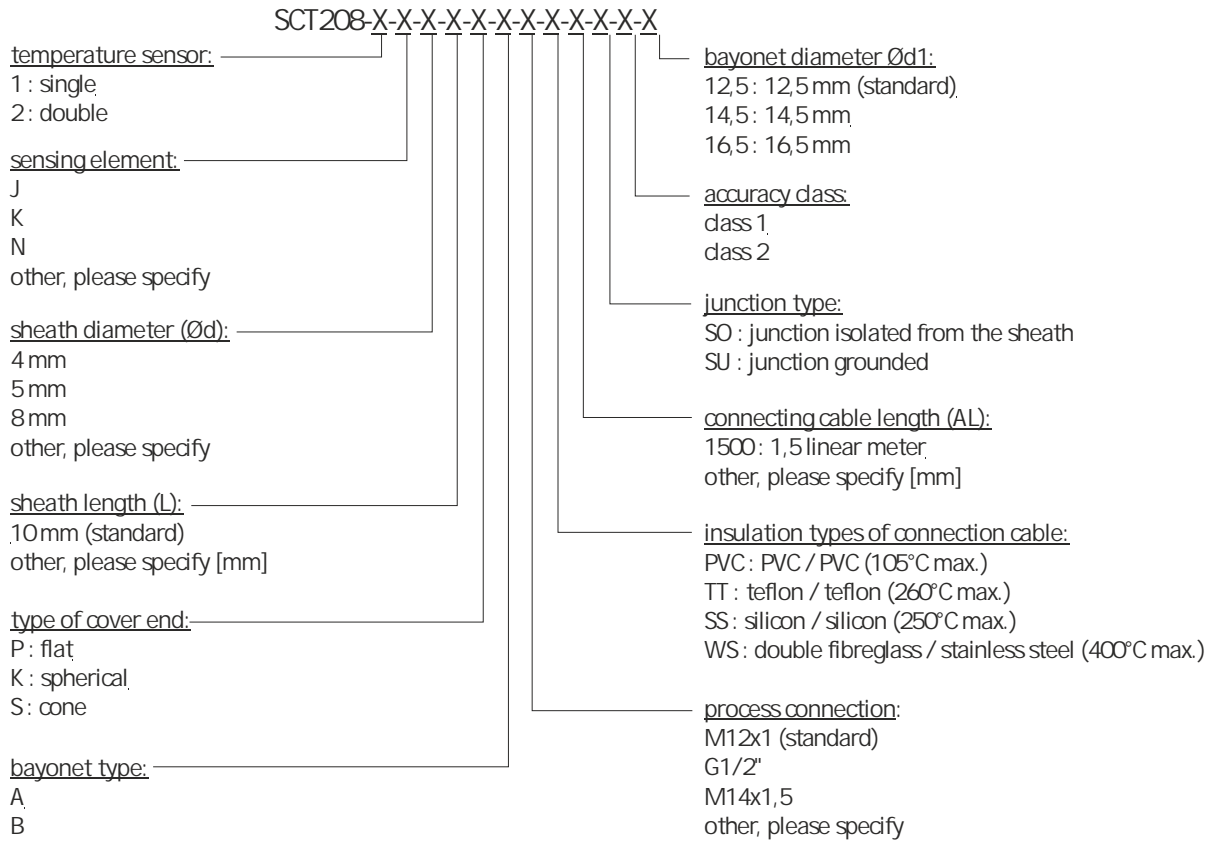


Thread (G)	Length (L1)
M20x1,5	15 mm
G1/2"	15 mm
M14x1,5	10 mm
M10x1	8 mm

COVER END TYPES



ORDERING



Ordering example:

SCT208-1-J-6-10-S-A-M14x1,5-WS-1500-SO-2-12,5

Single TC temperature sensor, K thermocouple, 2 tolerance class, sheath diameter 6 mm, length 10 mm, connection cable length 1500 mm, double fibreglass insulation, threaded bayonet A type with process connection M14x1,5 mm, bayonet cap diameter Ø12,5 mm, hot junction isolated from the sheath.

