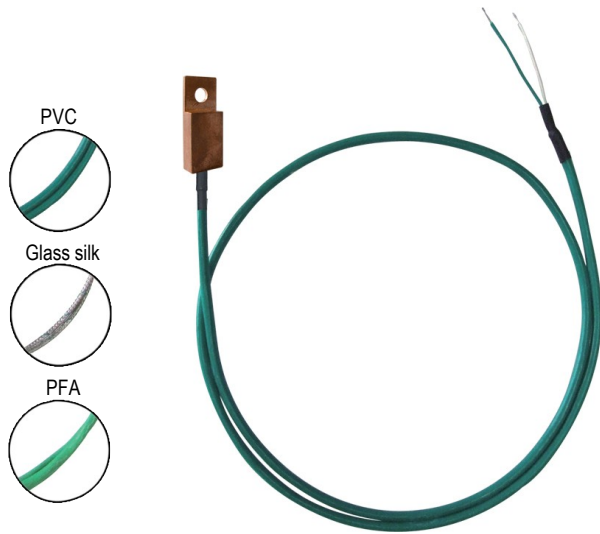


Cable thermocouple temperature sensor for surface contact

SFCS K

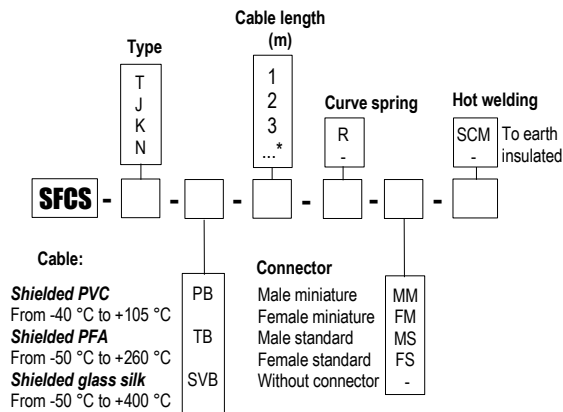


PROBE FEATURES

- Thermocouple types T, J, K and N.
- Measuring range from **-40 °C to +550 °C**
- Mounting with base of surface.

PART NUMBERS

To order, just add the codes to complete the part number.



* Other dimension on request

TECHNICAL FEATURES

Working temperature	From -40 °C to +105 °C for PB output From -40 °C to +260 °C for TB output From -40 °C to +400 °C for SVB output From -40 °C to +550 °C for SVB (Tc K) output
Accuracy* for class 1	See "Tolerances" table
Mounting of welding	Insulated hot welding in standard Add SCM to part number for a mounting with hot welding to earth.
Storage temperature	From -20 °C to +80 °C
Output	Stripped wires, male miniature connector or standard. Other on request.
Base	40 x 16 x 7.5 m Hole of 6.3 mm Ø Copper matter

Example: SFCSK-P-3-R-MM

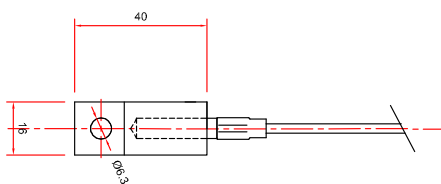
Model: K type thermocouple temperature probe with insulated hot welding. Contact tip mounted on PVC cable 3m length with a curve spring and with male miniature connector on the end.

Measuring range from -40 to +105 °C.

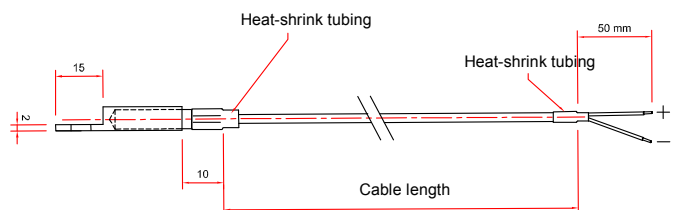
* Performed in laboratory conditions, the above accuracies mentioned in this document will be guaranteed, provided that you use the calibration compensation data or identical calibration conditions.

DIMENSIONS

Top view



Side view



TOLERANCES OF THE PROBE

As per IEC 584-3 norm

TC	Measuring range Class 1	TOLERANCE
T	From -40 °C to +350 °C	From -40 °C to +125 °C ± 0.5 °C From 125 °C to +350 °C $\pm 0.004 \times T^{\circ}\text{abs}$
J	From -40 °C to +750 °C	From -40 °C to +375 °C ± 1.5 °C From 375 °C to 750 °C $\pm 0.004 \times T^{\circ}\text{abs}$
K	From -40 °C to +1000 °C	From -40 °C to +375 °C ± 1.5 °C From 375 °C to 1000 °C $\pm 0.004 \times T^{\circ}\text{abs}$
N	From -40 °C to +1000 °C	From -40 °C to +375 °C ± 1.5 °C From 375 °C to 1000 °C $\pm 0.004 \times T^{\circ}\text{abs}$

* Performed in laboratory conditions, the above accuracies mentioned in this document will be guaranteed, provided that you use the calibration compensation data or identical calibration conditions.

MOST COMMON THERMOCOUPLE TYPES

THERMOCOUPLE TYPES	+ CONDUCTOR	- CONDUCTOR	COLOR OF COMPENSATING CABLE
K	Nickel-Chrome 10%	Nickel-Aluminium 5% -Silicium	Ext. color + = GREEN, - = WHITE
T	Copper	Copper-Nickel	Ext. color + = BROWN, - = WHITE
J	Iron	Copper-Nickel	Ext. color + = BLACK, - = WHITE
N	Nickel 84,4% Chromium 14,2% Silicium 1,4%	Nickel 95,6% Silicium 4,4%	Ext. color + = PINK, - = WHITE
R	Platinum-Rhodium 13%	Platinum	Ext. color + = ORANGE, - = WHITE
S	Platinum-Rhodium 10%	Platinum	Ext. color + = ORANGE, - = WHITE
B	Platinum-Rhodium 30%	Platinum-Rhodium 6%	Ext. color + = GREY, - = WHITE

ACCESSORIES (SEE DATASHEET)

- Extension cable
- Compensating cable
- Standard or miniature connector
- Cable seal for plug and socket connector
- Miniature or standard connectors panel
- Miniature or standard connectors panel
- Extension lead
- Converters



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