

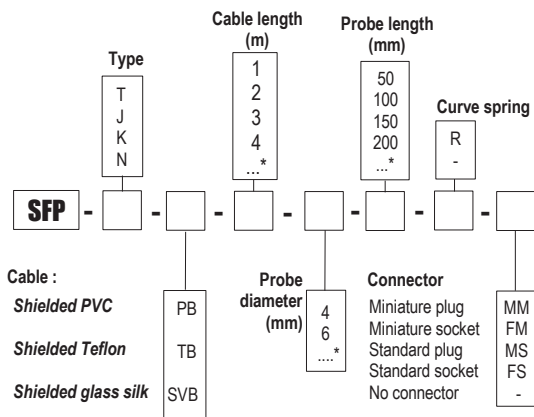
Thermocouple penetration probe with cable

SFP K

Probe features

- Thermocouple types T, J, K and N.
- Measuring range from **-40°C to +550°C**
- 316 L stainless steel sheath

Part numbers



* Other on request

Example : SFPK-PB-1-4-100-R-MM

Model : Thermocouple type K. Stainless steel protective sheath 4 mm diameter, 100mm length with a shielded PVC cable, 1m long, with curve spring and miniature plug connector.

Measuring range from -40 to +105°C.

Technical features

Operating temperature.....from -40°C to +105°C for shielded PVC cable
 from -40°C to +260°C for shielded T cable
 from -40°C to +400°C for shielded SV cable
 from -40°C to +550°C for shielded SV cable (Tc K only)

Accuracy* for class 1.....See "Tolerances" table

Welding type.....Ungrounded hot junction.

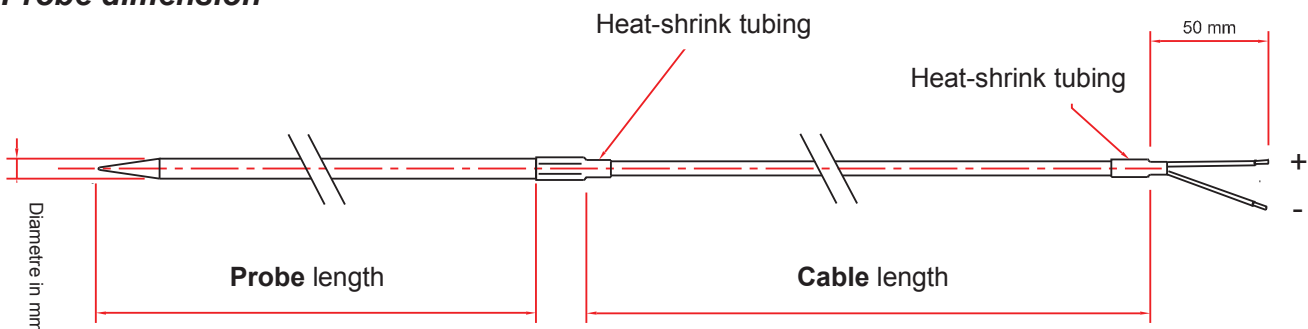
Storage temperature.....from -20°C to +80°C

Outputstripped wire, miniature plug or standard on request.

Sheath.....316 L stainless steel, optional curve spring.

* 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.

Probe dimension



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 $\pm 0.5^\circ\text{C}$ From 125°C to +350°C $\pm 0.004 \times T^\circ$
J	From -40°C to +750°C	From -40°C to +375°C $\pm 1.5^\circ\text{C}$ From 375°C to 750°C $\pm 0.004 \times T^\circ$
K	From -40°C to +1000°C	From -40°C to +375°C $\pm 1.5^\circ\text{C}$ From 375°C to 1000°C $\pm 0.004 \times T^\circ$
N	From -40°C to +1000°C	From -40°C to +375°C $\pm 1.5^\circ\text{C}$ From 375°C to 1000°C $\pm 0.004 \times T^\circ$

* 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	Chromel	Alumel	Ext. color + = GREEN, - = WHITE
T	Copper	Constantan	Ext. color + = BROWN, - = WHITE
J	Iron	Constantan	Ext. color + = BLACK, - = WHITE
N	Nicrosil	Nisil	Ext. color + = PINK, - = WHITE
R	Platinum-13% Rhodium	Platinum	Ext. color + = ORANGE, - = WHITE
S	Platinum-10% Rhodium	Platinum	Ext. color + = ORANGE, - = WHITE
B	Platinum-30%Rhodium	Platinum- 6%Rhodium	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 fixed connector
- Miniature or standard connectors panel
- Extension lead
- Converters



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