

Thermocouple temperature probe with handle to prick

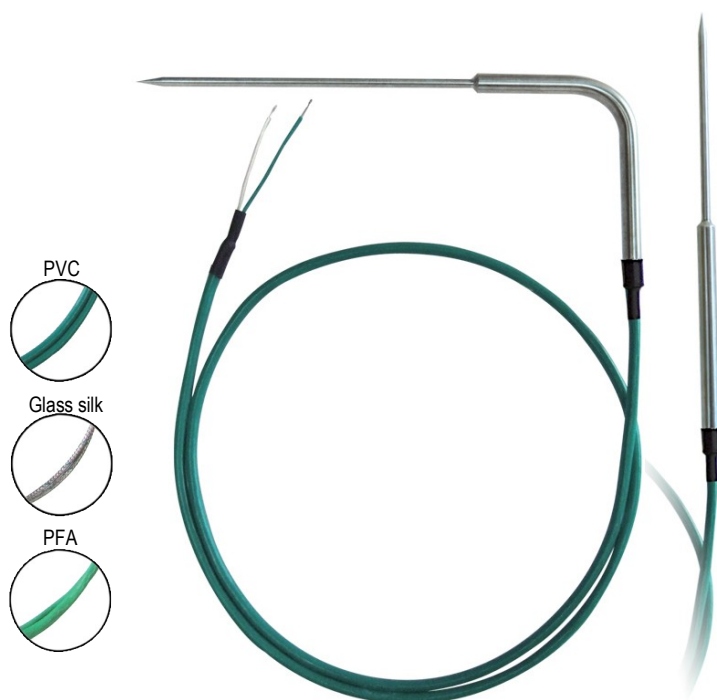
SFPP K / SFPPC K SFPPD K / SFPPCD K

PROBE FEATURES

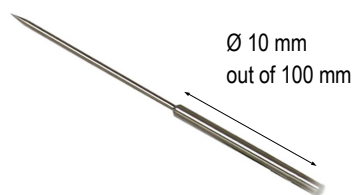
- Pricking temperature probe mounted on straight or angled handle
- Thermocouple types T, J, K and N.
- Measuring range **from -40 °C to +550 °C**

TECHNICAL FEATURES

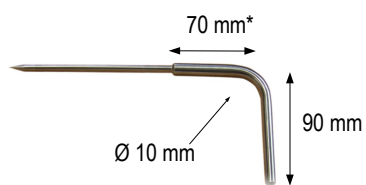
Working temperature	From -40 °C to +105 °C for shielded PVC output From -40 °C to +260 °C for TB output From -40 °C to +400 °C for SVB output From -40 °C to +550 °C for SVB (Tc K only) output
Accuracy* for class 1	See "Tolerances"
Mounting of welding	Insulated hot welding
Storage temperature	From -20 °C to +80 °C
Output	Stripped wires, miniature male connector or standard on request.
Mounting of cable output	Output on cable or with stainless steel flexible 7 mm Ø . Water-resistant flexible on request as option. Curve spring as option (unless stainless steel flexible output)
Contact tip	4.5 or 6 mm Ø in 316 L stainless steel Tapered tip Handle: Straight 10 mm Ø and 100 mm length Angled at 90° and 90 mm length Other on request.



Straight handle



Angled handle



*L1 minimum length: 50 mm

Water-resistant as option for use in wet or submerged places.

* 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.

SFPPK & SFPPKD

Pricking cable probe with handle

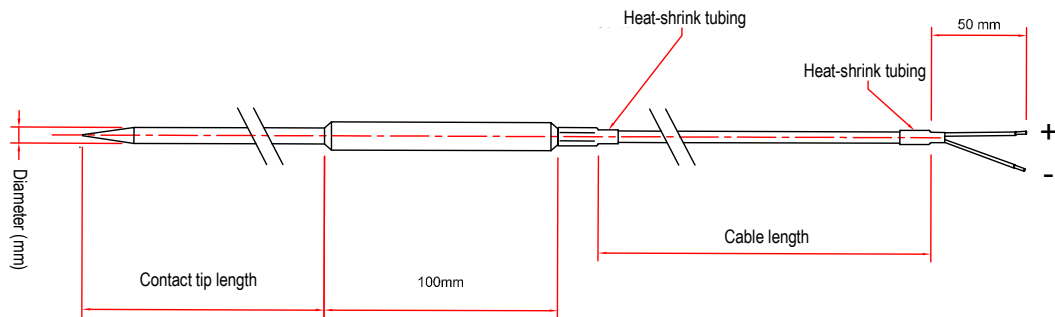
• Probe with straight handle on cable



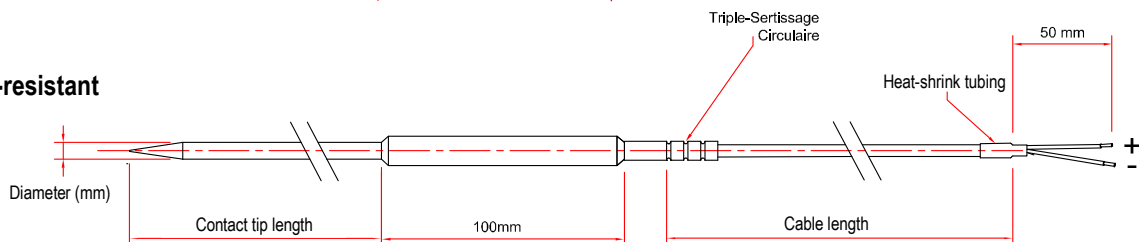
• Probe with straight handle on flexible



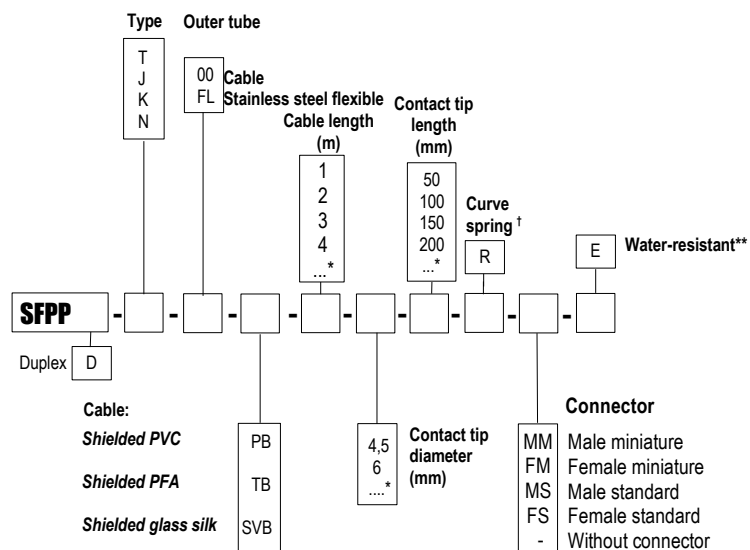
DIMENSIONS



Optional: water-resistant



PART NUMBERS



Example: SFPPK-00-TB-1-45-100-MM

Model: Thermocouple type K temperature probe, Outer tube in shielded PFA cable of 1 m length. Stainless steel contact tip 4,5 mm Ø, to prick with straight handle of 100 mm length, without curve spring.

Measuring range from -40 to +105 °C.

* Other dimension on request

[†] No curve spring on flexible output FL

^{**} E for submerged use according to use rules

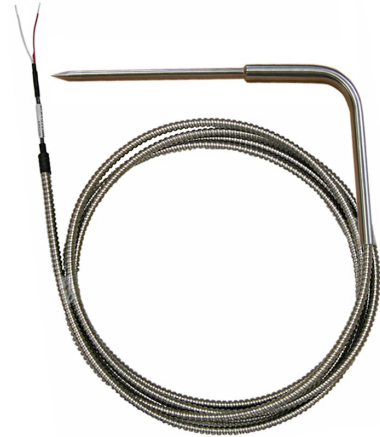
SFPPCK & SFPPCKD

Pricking cable probe with angled handle

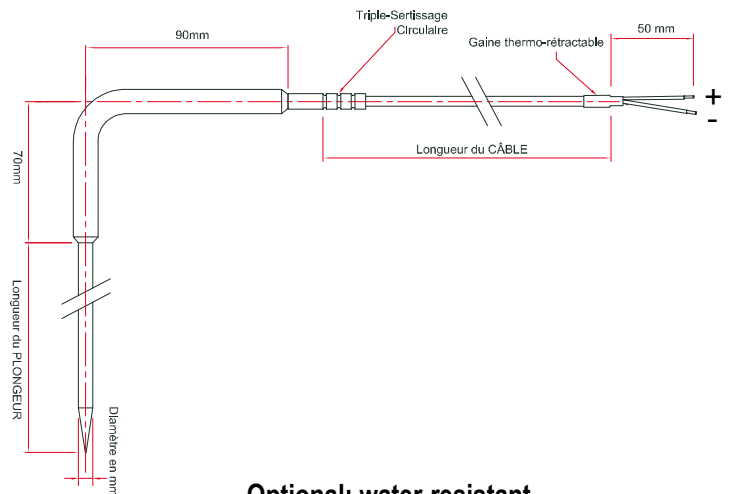
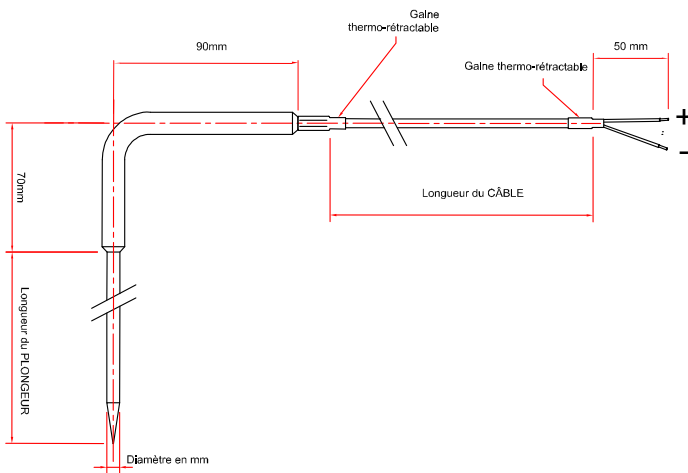
• Probe with angles handle on cable



• Probe with angled handle on flexible

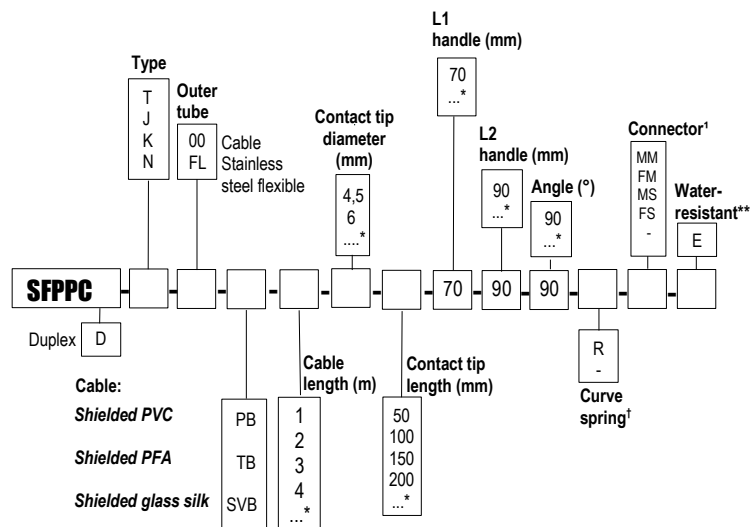


DIMENSIONS



Optional: water-resistant

PART NUMBERS



* Other dimension on request

[†] No curve spring on flexible output FL

^{**} E for submerged use according to use rules

[†] MM: Male miniature
FM: Female miniature
MS: Male standard
FS: Female standard
-: Without connector

Example: SFPPCK-00-TB-1-45-100-70-90-90-R-MM

Model: Thermocouple type K temperature probe, outer tube in shielded PFA cable of 1 m length with male miniature connector. Stainless steel contact tip 4,5 mm Ø and 100 mm length to prick with angled handle of L1 length 70 mm and L2 length 90 mm, angle of the handle at 90°, with curve spring.

Measuring range from -40 to +105 °C.

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 $\pm 0.004 \times T^{\circ}$ abs
J	From -40 °C to +750 °C	From -40 °C to +375 °C ± 1.5 °C From 375 °C to 750 °C $\pm 0.004 \times T^{\circ}$ abs
K	From -40 °C to +1000 °C	From -40 °C to +375 °C ± 1.5 °C From 375 °C to 1000 °C $\pm 0.004 \times T^{\circ}$ abs
N	From -40 °C to +1000 °C	From -40 °C to +375 °C ± 1.5 °C From 375 °C to 1000 °C $\pm 0.004 \times T^{\circ}$ 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 TYPE	+ 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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