



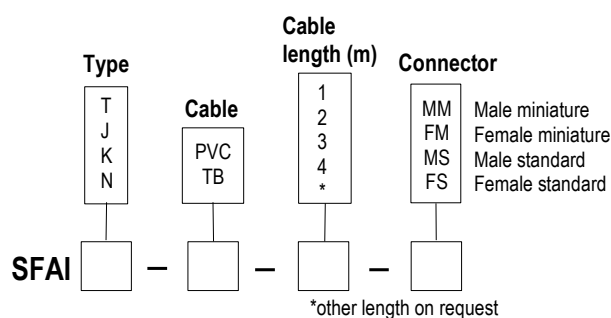
Thermocouple probe with magnetic mounting and cable output.

SFAI K

- Thermocouple types T, J, K or N.
- Measuring range: **from -40 °C to +220 °C.**
- Mounting with magnet.

PART NUMBER

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



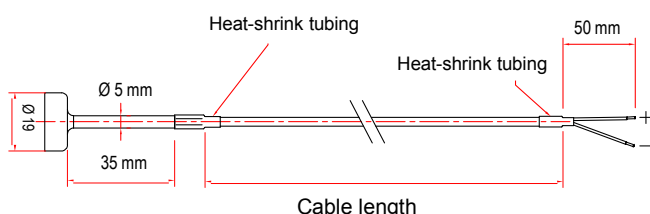
Example: SFAIK-PVC-1-MM

Model: Thermocouple type K with shielded PVC cable, 1 m length finished with a miniature male connector.

TECHNICAL FEATURES

Working temperature	For shielded PVC cable From -40 °C to +105 °C For shielded PFA cable From -40 °C to +220 °C
Accuracy* for class 1	See "Tolerances" table
Welding mounting	Hot welding to the earth.
Storage temperature	From -20 °C to +80 °C
Response time	52 seconds
Magnet	19 mm Ø, 8 mm height Maximal traction: 3 kg Other on request
Storage temperature	From -20 °C to +80 °C
Output	Stripped wire, miniature plug or standard

PROBE DIMENSIONS



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 ± 0.004 x T° abs
J	From -40 °C to +750 °C	From -40 °C to +375 °C ± 1.5 °C From 375 °C to 750 °C ± 0.004 x T° abs
K	From -40 °C to +1000 °C	From -40 °C to +375 °C ± 1.5 °C From 375 °C to 1000 °C ± 0.004 x T° abs
N	From -40 °C to +1000 °C	From -40 °C to +375 °C ± 1.5 °C From 375 °C to 1000 °C ± 0.004 x T° abs
S	From 0 °C to +1600 °C	From 0 °C to +1100 °C ± 1 °C From 1100 °C to 1600 °C ± (1 + 0.003*(T°-1100))

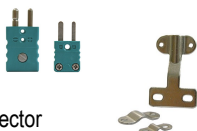
* Performed in laboratory conditions, the above accuracies mentioned in this document will be guaranteed, provided that you use the calibration compensation data or identical calibration conditions.

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	Fer	Copper-Nickel	Ext. color + = BLACK, - = WHITE
N	Nickel 84,4% Chrome 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 fixed connector
- Miniature or standard connectors panel
- Extension lead
- Converters



www.kimo.fr

Distributed by :



EXPORT DEPARTMENT

Tel : + 33. 1. 60. 06. 69. 25 - Fax : + 33. 1. 60. 06. 69. 29

e-mail : export@kimo.fr