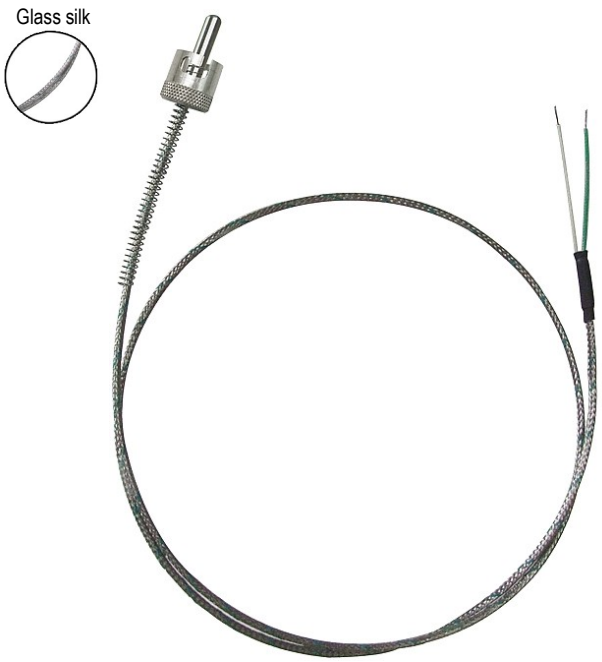
KIMO INSTRUMENTS

Technical Data Sheet

Pressure / Temperature / Humidity / Air Velocity / Airflow / Sound level



Cable thermocouple temperature sensor at bayonet

SFBA K

SENSOR FEATURES

- Thermocouple types T, J, K, N and S.
- Measuring range **from -50 °C to +400 °C**
- Mounting stainless steel contact tip 316 L

PART NUMBERS

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

	Type of sensor		Cable length (m)		Diameter / Contact tip length		Bayonet		Hot welding
SFBA	-	SV	-	-	-	-	-	-	
	T J K N		1 2 3 4 ...*		P6/20 5/25 6/30 8/15		E10 E12 E15		SCM -

* Other on request

Example: SFBAK-SV-3-630-E12-SCM

Model: Thermocouple type K temperature sensor at bayonet welded to earth. Contact tip 6 mm Ø and 30 mm length mounted on glass silk cable 3 m length. Bayonet for 12 mm base.

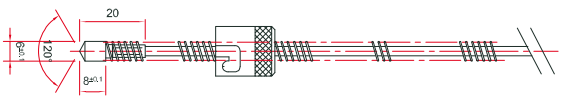
Measuring range from -50 to +400 °C.

TECHNICAL FEATURES

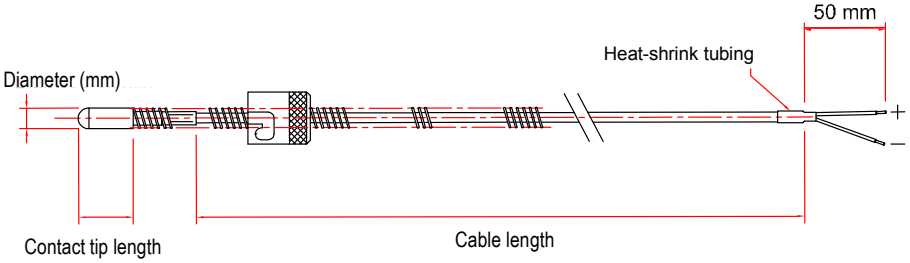
Working temperature	From -40 °C to +350 °C for Tc T From -40 °C to +400 °C for Tc J From -40 °C to +550 °C for Tc K
Accuracy* for class 1	See "Tolerances" table
Storage temperature	From -20 °C to +80 °C
Contact tip	316 L stainless steel. 5/25: 5 mm Ø and 25 mm length 6/30: 6 mm Ø and 30 mm length 8/15: 8 mm Ø and 15 mm length P6/20: 6 mm Ø and 8 mm length
Cable	Output by shielded stainless steel glass silk cable. 2 conductors of 0,22 mm^2. Measuring range: from -50 °C to +400 °C
Bayonet	Bayonet fitting (2 spins) Nickel faced brass , for base of 10, 12 or 14 mm Ø To screw on spring of 200 mm.

DIMENSIONS

Pointed head tip



Rounded head tip



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

* 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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