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# Mineral Insulated Thermocouple Sensor - Type K / Threaded M8 Pot Seal with PFA Tails

## Product Images

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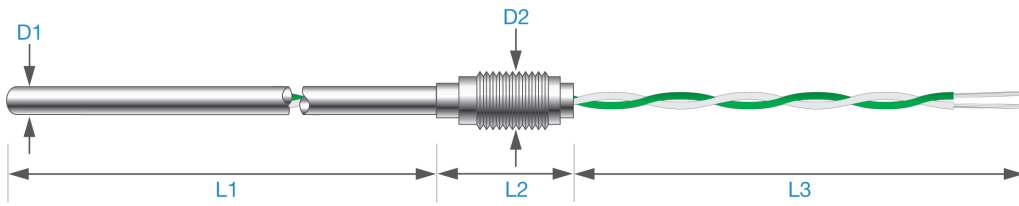


## Description

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*Note: Type K Thermocouple Shown for illustration only*

Mineral Insulated Thermocouple Sensors with threaded M8 Pot Seal and PFA Tails available in Type K.



- **D1: Probe Diameter**
- D2: Pot Diameter (M8 X 1.0mm)
- **L1: Probe Length**
- L2: Pot Length (35mm)
- L3: Extension Cable (100mm)

These semi rigid thermocouple sensors are ideal for many applications from simple temperature measurement to the more robust of environments and are available with various sheath materials. The thermocouple junction is located at the tip and is generally insulated from the sheath to eliminate earth loops. The metal sheaths are impervious to liquids and gases and can withstand high pressure, high vacuum, high vibration and harsh environments in general. Smaller diameter sensors respond to temperature changes more rapidly than larger diameters where as larger diameter sensors are mechanically stronger and have a longer operational life when used at high temperatures. The diameters range between 0.5mm up to 6.0mm and can be formed to shape particular applications without impairing performance. The typical bending radius is 10 x probe diameter but can be reduced to 4 x if required. The stainless steel Threaded M8 pot is crimped and resin sealed to prevent ingress of moisture and additionally allows for various cable styles to be utilised. The threaded pot enables the sensor to be secured onto fixtures or bulkheads utilising lock nuts available as an accessory. The sensor is supplied with **100mm long PFA insulated twisted flying tails** constructed of 7/0.2mm conductor strands however other alternatives are available.

A range of accessories including extension cables, connectors, pockets, thermowells and adjustable compression fittings are available for this product.

Accuracy to IEC 60584.1 2013 Class 2 (Class 1 also available)

IEC 60584.3 2008 colour coded extension cables and connectors

In House Calibration Service is also available

Bespoke designs available upon request

## Additional Information

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Country of Manufacture	United Kingdom
Brand	Tempcon
Maximum Temperature	K
Extension Cable Insulation	PFA, 7/0.2mm
Maximum Temperature Pot	200
Maximum Temperature Probe	1100
Metal Sheath Material	321 Stainless Steel
Probe Diameter	1.0mm, 1.5mm, 3.0mm, 4.5mm, 6.0mm
Sensing Junction Material	Insulated (isolated), Simplex

## Product Options

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Diameter:	1.0 mm
	3.0 mm
	6.0 mm
	1.5 mm
	4.5 mm
Length:	200 mm Length (L1)
	2000 mm Length (L1)
	300 mm Length (L1)
	150 mm Length (L1)
	1000 mm Length (L1)
	250 mm Length (L1)
	100 mm Length (L1)
	500 mm Length (L1)