

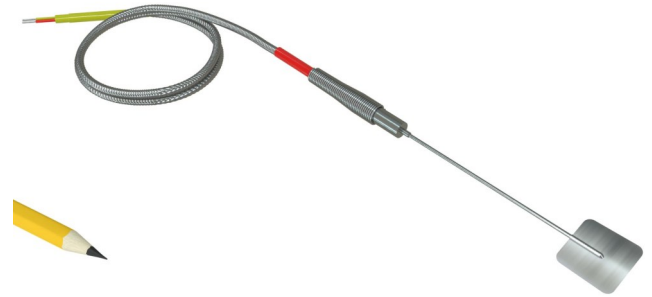
TEMPERATURE SENSOR

SURFACE TEMPERATURE THERMOCOUPLE - BRAZE OR WELD ON

Fast Response Weld Pad Type Surface Thermocouple

FEATURES

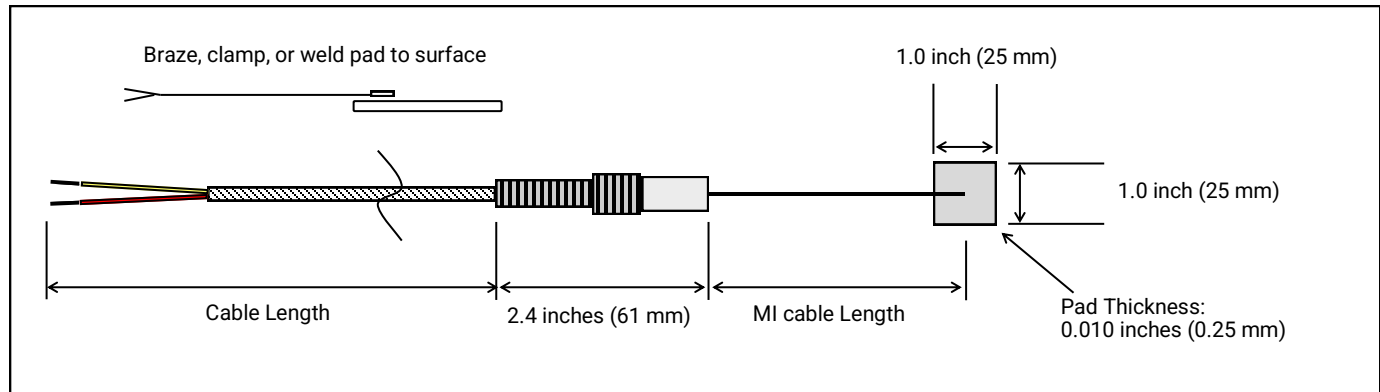
- Type K thermocouple
- Braze or Weld stainless steel pad to surface
- Rugged high quality design
- Made in the USA
- Designed for research & development applications



SPECIFICATIONS

Thermocouple type: J, K, or T
Measuring Range: -148 to 2192°F (-100 to 1200°C)
Accuracy: Greater of +/-0.4% of reading or +/- 1.1°C (Special Limits of Error)
MI Cable Material: Inconel, MgO insulated, 0.062" OD, rated to 2192°F (1200°C)
Pad Material: 304 Stainless Steel, rated to 2192°F (1200°C)
Pad dimensions: W = 1.0" x H = 1.0" (25 mm x 25 mm), Thickness 0.010" (0.25 mm)

Sensing Junction: Ungrounded
Response Time*: 300 mS
***Time Constant:** Defined as the time required to reach 63.2% of an instantaneous temperature change
 Five time constants are required to approach 100% of the step change value



ORDERING INFORMATION

Model	Cable Insulation	MgO Length	Cable Length	Thermocouple Type	Connector
WPTC	- □ □	- □ □	- □ □ □	- □	- □
	TF = FEP (rated to 400°F) ST = FEP with SSOB* (rated to 400°F) TP = PFA (rated to 500°F) FB = Fiberglass (rated to 900°F) SF = Fiberglass with SSOB* (rated to 900°F) RB = High Temperature Fiberglass (rated to 1200°F) * SSOB = Stainless Steel Overbraiding	04 = 4 inches	072 = 72 inches 144 = 144 inches 300 = 300 inches	J = Type J K = Type K T = Type T	N = No connector MJ = Female Mini Jack MP = Male Mini Plug SJ = Female Standard Jack SP = Male Standard Plug

ORDERING EXAMPLE

WPTC-ST-04-072-K-N: 4 inch MI cable length, 72 inch long cable, FEP with SSOB cable insulation, Type K thermocouple, no connector

CUSTOM CONFIGURATIONS AVAILABLE

