

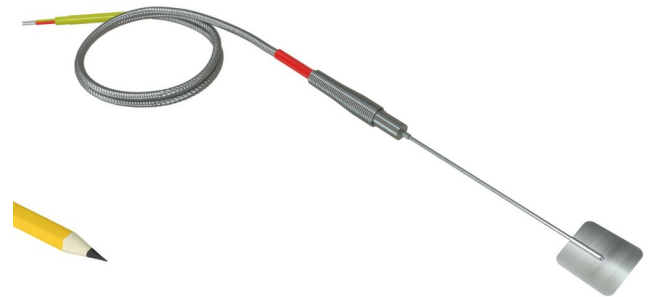
# TEMPERATURE SENSOR

## 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



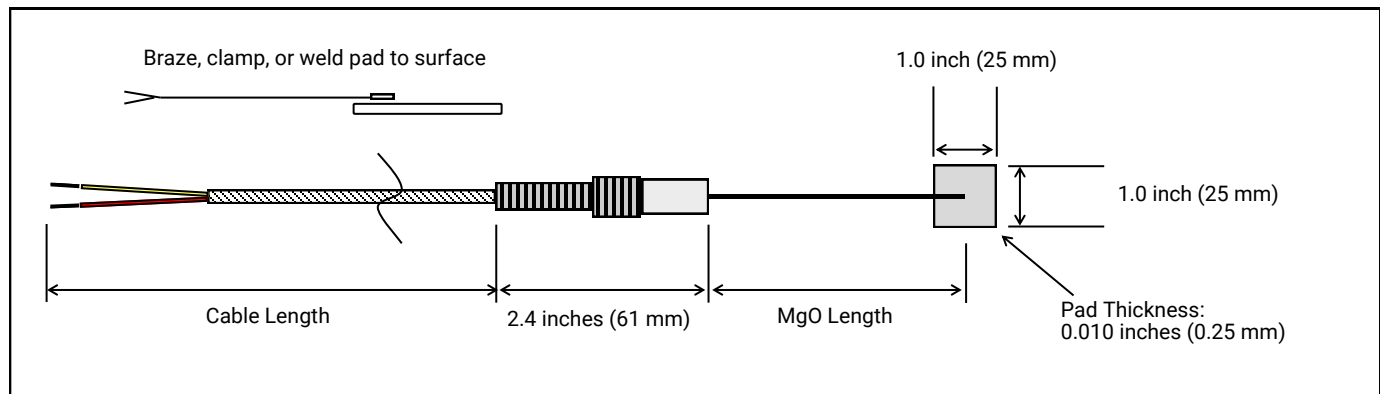
### SPECIFICATIONS

**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)

**Outer Sheath Material:** Inconel, MgO insulated, 0.062" OD, rated to 2550°F (1400°C),  
**Pad Material:** 304 Stainless Steel, rated to 2550°F (1400°C)  
**Pad dimensions:** W = 1.0" x H = 1.0" (25 mm x 25 mm), Thickness 0.010" (0.25 mm)

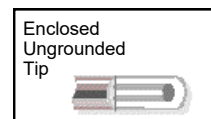
**Sensing Junction:** Ungrounded  
**Response Time\*:** 300 mS  
**\*Time Constant:** Defined as the time required to reach 63.2% of an instantaneous temperature change  
 Five time constants are required to approach 100% of the step change value

**Lead Wire:** Stainless steel overbraiding over Teflon™ insulated, stranded wires, 24 gage, rated to 400°F (204°C)



### ORDERING INFORMATION

Model	MgO Length	Cable Length	Thermocouple Type	Connector
<b>WPTC-ST</b>	- □ □	- □ □ □	- □	- □
	<b>04</b> 4 inches	<b>072</b> 72 inches <b>144</b> 144 inches <b>300</b> 300 inches	<b>J</b> Type J <b>K</b> Type K <b>T</b> Type T	<b>N</b> No connector <b>MP</b> Male mini-plug <b>SP</b> Standard plug



### ORDERING EXAMPLE

WPTC-ST-04-072-K-N: 4 inch MgO length, 72 inch long cable, Type K thermocouple, no connector

CUSTOM CONFIGURATIONS AVAILABLE

