

# Surface Temperature Thermocouple - Braze or Weld On

## Fast Response Weld Pad Type Surface Thermocouple

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



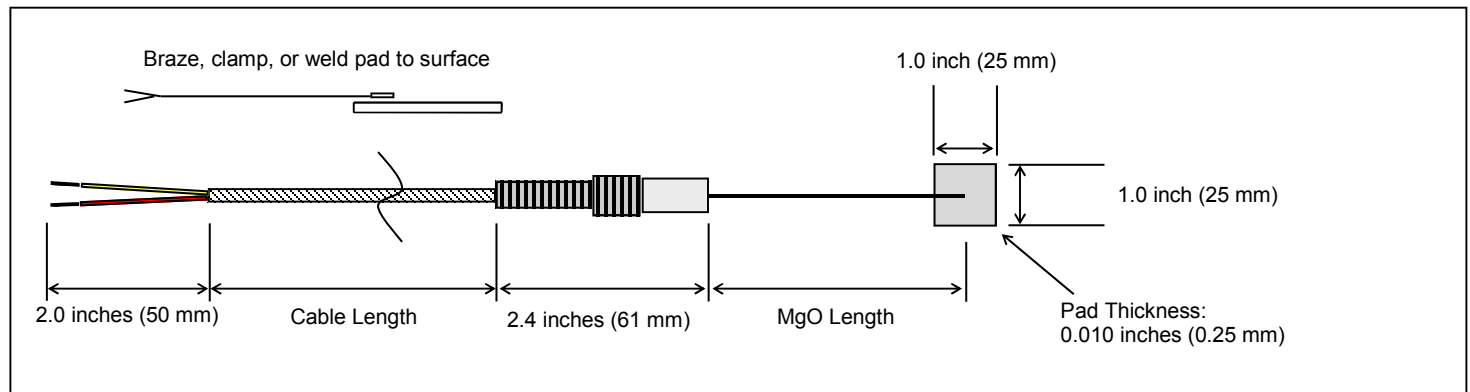
### Specifications

Thermocouple type: K  
 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, melting point 2550°F (1400°C), MgO insulated, 0.062" OD  
 Pad Material: 304 Stainless Steel, melting point 2550°F (1400°C)  
 Pad dimensions: W = 1.0" x H = 1.0" (25 mm x 25 mm), Thickness 0.010" (0.25 mm)

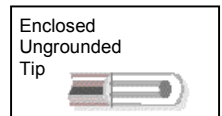
Sensing Junction: Ungrounded  
 Response Time\*: 300 mS  
 \*Time Constant: Defined as the time required to reach 63.2% of an instantaneous temperature change  
 Five time constants are required to approach 100% of the step change value

Lead Wire: Stainless steel overbraiding over Teflon™ insulated, stranded wires, 24 gage



### Ordering Information

Model	MgO Length	Cable Length	Thermocouple Type	Connector
<b>WPTC-ST</b>	- □ □	- □ □ □	<b>- K</b>	- □
	<b>04</b> 4 inches	<b>072</b> 72 inches <b>144</b> 144 inches <b>300</b> 300 inches	K Type K	<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**