

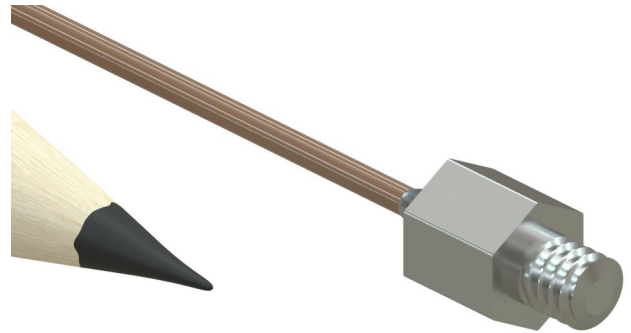
# TEMPERATURE SENSOR

## MINIATURE SURFACE MOUNT THREADED STUD THERMOCOUPLE

#8-32 Male Threaded Fitting Surface Thermocouple

### FEATURES

- Type E, J, K, or T thermocouple
- Stainless steel hex fitting for durability
- Made in the USA
- Teflon™ insulated wires
- Designed for research & development applications



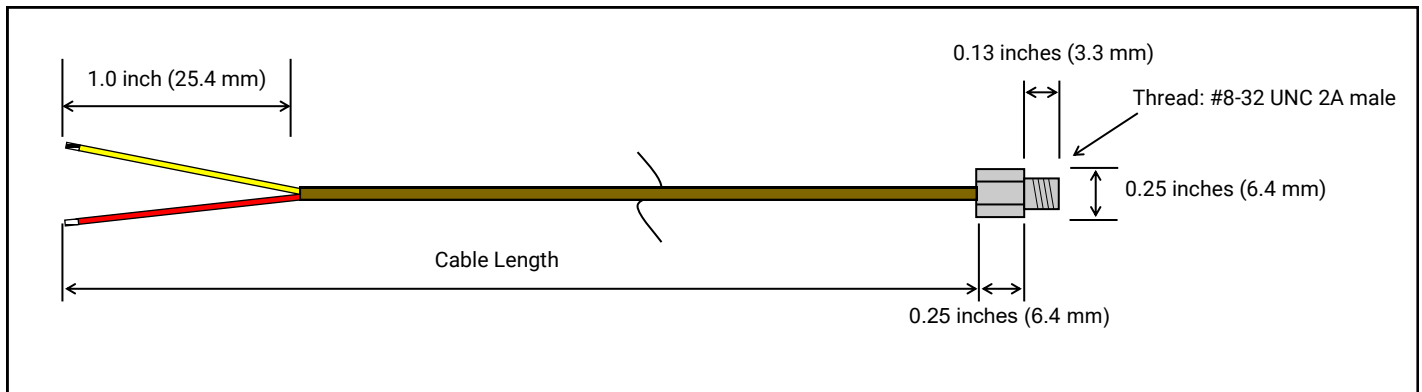
### SPECIFICATIONS

**Thermocouple type:** E, J, K, or T  
**Range:** -50 to 500°F (-45 to 260°C)  
**Accuracy:** Greater of +/-0.4% of reading or +/- 1.1°C (Special Limits of Error)

**Fitting Housing Material:** 316 Stainless Steel  
**IP Rating:** IEC IP64

**Response Time\*:** 6 Seconds  
**\*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:** Teflon™ insulated, 24 AWG, stranded conductors



### ORDERING INFORMATION

Model	Cable Length	Junction	Calibration	Connector
<b>SMTS-TC</b>	- □□□	- □	- □	- □□
	<b>036</b> 36 inches <b>072</b> 72 inches <b>180</b> 180 inches	<b>G</b> Grounded <b>U</b> Ungrounded	<b>E</b> Type E <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> Male standard plug

### ORDERING EXAMPLE

**SMTS-TC-036-U-K-N:** Threaded Stud Thermocouple, 36 inch long cable, Ungrounded, Type K, no connector

CUSTOM CONFIGURATIONS AVAILABLE

