

TEMPERATURE SENSOR

EMBEDDED BRAKE PAD THERMOCOUPLE

Fast Response Embedded Brake Pad Thermocouple

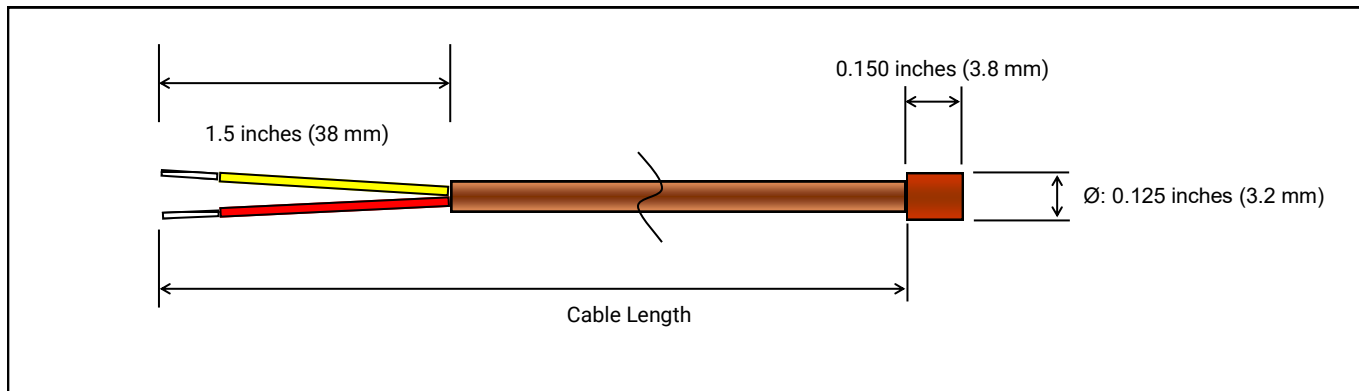
FEATURES

- Type K thermocouple probe
- Embed copper cap into brake pad
- Made in the USA
- Fiberglass protected wires
- Designed for research & development applications



SPECIFICATIONS

Thermocouple type:	K
Accuracy:	Greater of +/-0.4% of reading or +/- 1.1°C (Special Limits of Error)
Operating Range:	-40°F to +1470°F (-40°C to +800°C)
Cap Material:	Copper
Cap dimensions:	OD = 0.125" x L = 0.150" (OD = 3.2 mm x L = 3.8 mm)
Sensing Junction:	Grounded or Ungrounded
Response Time*:	Grounded: 500 mS Ungrounded: 1500 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
Leadwire:	Fiberglass insulated, Fiberglass outer jacket, 22 AWG, stranded



ORDERING INFORMATION

Model	Cable Length	Junction	Cable Insulation	Thermocouple Type	Connector
BPTC	- □□□	- □	- □□	- □	- □
	036 36 inches 072 72 inches 144 144 inches	G Grounded U Ungrounded	FG Fiberglass (rated to 900°F) FH High Temp Fiberglass (rated to 1200°F)	K Type K	N No connector MP Male mini-plug SP Standard plug

EXAMPLE

BPTC-036-G-FG-K-N: 36 inch long cable, Fiberglass Insulation rated to 900°F, Type K thermocouple, grounded, no connector

CUSTOM CONFIGURATIONS AVAILABLE

