

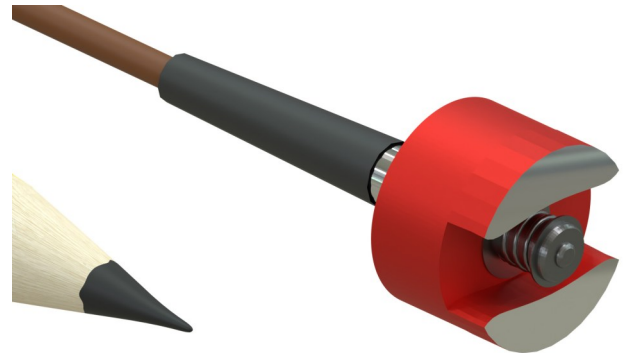
TEMPERATURE SENSOR

MMTC SERIES MAGNETIC MOUNT SURFACE THERMOCOUPLE SENSOR

Miniature Magnetic Surface Mount Thermocouple Sensor with Spring Loaded Tip

FEATURES

- Type J, K, or T thermocouple
- Thermocouple probe tip is spring loaded
- Made in the USA
- Measure surface temperature of ferrous metal materials
- Designed for research & development applications



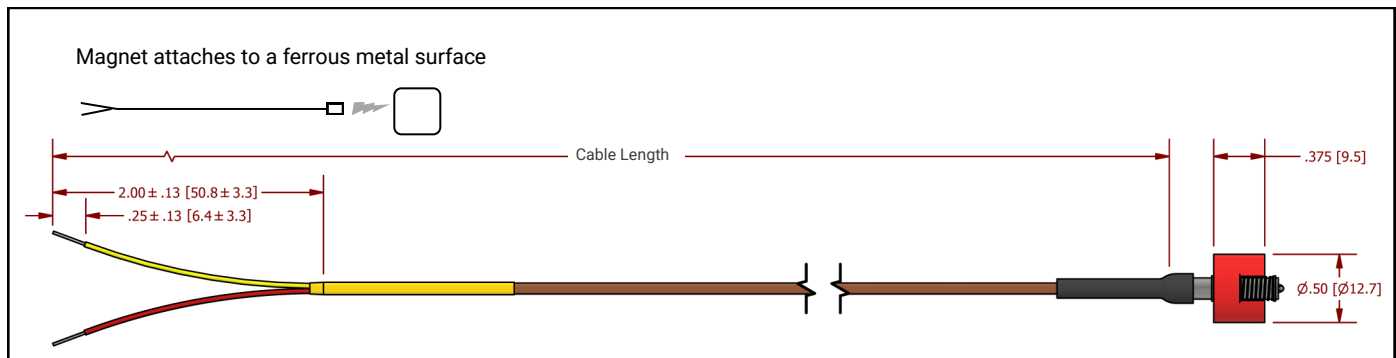
SPECIFICATIONS

Thermocouple type: J, K, or T
Accuracy: Greater of +/-0.4% of reading or +/- 1.1°C (Special Limits of Error)

Magnet Pull Force: 1.2 lbs (5.3 N)
Magnet Temp Rating: 970°F (521°C) max

Sensing Junction: Grounded or Ungrounded
Response Time*: Grounded = 60 seconds, Ungrounded = 35 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: FEP Teflon insulated, FEP Teflon outer jacket, 24 AWG, stranded (rated to 400°F (260°C))
 or
 Fiberglass insulated, Fiberglass outer jacket, 24 AWG, stranded (rated to 900°F (482°C))



ORDERING INFORMATION

Model	Cable Length	Junction	Magnet OD	Cable Insulation	Thermocouple Type	Connector
MMTC	- □□□	- □	- □□	- □□	- □	- □
	036 36 inches 072 72 inches 144 144 inches	G Grounded U Ungrounded	05 0.5 Inches	FG Fiberglass TF FEP Teflon	J Type J K Type K T Type T	N No connector MP Male mini-plug SP Standard plug

ORDERING EXAMPLE

MMTC-036-G-05-TF-K-N: 36 inch long cable, Grounded junction, 0.5" Magnet OD, Teflon Insulation, Type K thermocouple, no connector

CUSTOM CONFIGURATIONS AVAILABLE

