

Meltbolt Thermocouple Probe

Variety of Configurations
Moderate and High Temperature
Plug and Jack Connection Options



The **Meltbolt Thermocouple Probe** is designed for use in the plastics industry. Placed in the barrel of an extruder this sensor directly measures the temperature of the plastics flow. Due to the possibility of immersion into this viscous environment the sensor has a large diameter rugged sheath with the sensitive area located at the smaller tip for quick time response. With moderate and high temperature applications in mind these sensors can withstand a range of -50 to 500°C. Plug and jack options provide easy connection to cabling and instrumentation. These configurations can be reconfigured and modified for use in alternative applications.

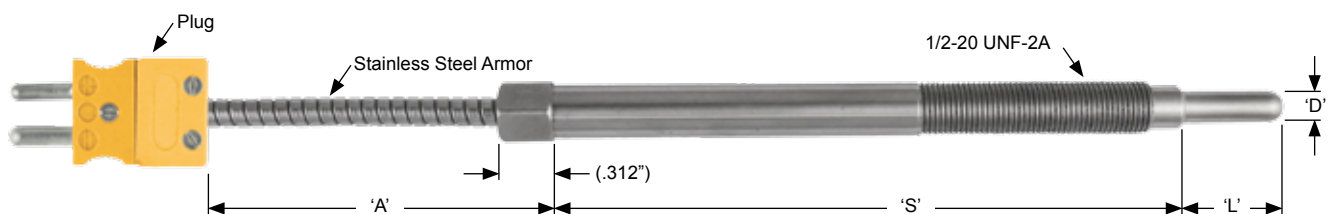
FEATURES

- Sheath Styles:
 - » Stainless Steel
- Junction Types, Single and Dual:
 - » J, K, T, E
 - » Grounded or Ungrounded
- Sheath Diameters:
 - » 0.125", 0.188", 0.250"
- Leadwire/Cable Options

APPLICATIONS

- Hot Melt

dimensions



'D' = Sheath Diameter
'L' = Sheath Length
'Y' = Leadwire/Cable Length
'A' = Armor Length
'S' = Shank Length

Meltbolt Thermocouple Probe

performance specifications

Insulation Resistance – Ungrounded Models:

1,000 megohms @ 500 V, leads to case

Vibration:

Withstands 5 to 500 Hz at 3 g-level peak for 3 hours. Per ASTM E 644, Sec. 10.

Shock:

Withstands 50 g-level peak sine wave shock of 11 milliseconds duration. Per ASTM E 644, Sec. 11

Pressure Rating:

1,000 psi (6.9 bar)

Thermocouple Temperature Accuracy Specifications:

Type	Temp Range	Standard Limits of Error	Special Limits of Error
T	-200 to 0°C	±1°C or 1.5%	Not ASTM Defined
	0 to 350°C	±1°C or 0.75%	±0.5°C or 0.4%
J	0 to 750°C	±2.2°C or 0.75%	±1.1°C or 0.4%
E	-200 to 0°C	±1.7°C or 1%	Not ASTM Defined
	0 to 900°C	±1.7°C or 0.5%	±1°C or 0.4%
K	-200 to 0°C	±2.2°C or 2%	Not ASTM Defined
	0 to 1,250°C	±2.2°C or 0.75%	±1.1°C or 0.4%

ordering info

Meltbolt Thermocouple Probe

Model Temperature Range

627M Moderate: -50 to 250°C (-58 to 482°F)

627H High Temperature Range = -50 to 500°C (-58 to 932°F)

Model Thermocouple Type

Model	Thermocouple Type	Junction	Color Code
J	J	Single	Red/White [Constantan/Iron]
K	K	Single	Red/Yellow [Alumel/Chromel]
T	T	Single	Red/Blue [Constantan/Copper]
E	E	Single	Red/Purple [Constantan/Chromel]

Model Junction Style

G Grounded Junction
U Ungrounded Junction

Model Limits of Error

A Standard Limits of Error
B Special Limits of Error

Model 'L' Sheath Length

---- Define 'L' Length in Inches (12 = 12.0")

Model 'D' Sheath Diameter

A .125" Diameter
B .188" Diameter
C .250" Diameter

Model 'S' Shank Length

---- Define 'S' Length in Inches (12 = 12.0")

Model 'A' Armor Length

---- Define 'A' Length in Inches (12 = 12.0")

Model Connector Options

1 Plug
2 Jack
3 Plug and Jack

Model Pin Style

H Hollow (Standard)
S Solid
F Miniature Flat Solid

联系方式



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