

Miniature Thermocouple Probe

Miniature Size
 Straight or Stepped Sheath
 Single Junctions
 Stainless Steel Case



The **Miniature Thermocouple Probe** is a small, tubular tip sensitive sensor constructed with a Stainless Steel case. The sensing junction is embedded into the tip of the sheath. With the junction located in the tip of the case this is the area that needs to be in contact with the process to obtain correct temperature measurement. These sensors are primarily used for extrusion equipment. They can also be used to meet general application needs. These are available in straight and stepped sheath configurations. The stepped sheath style adds additional capability for mounting.

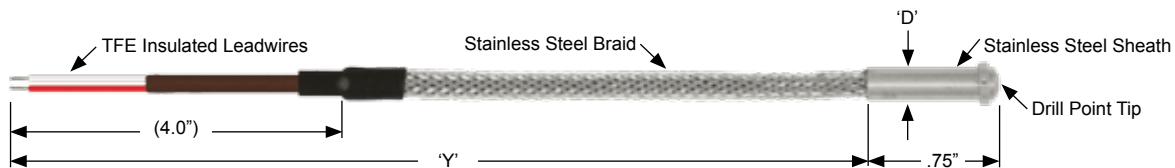
FEATURES

- Sheath Styles:
 - » Stainless Steel
- Junction Types, Single:
 - » J, K, T, E
 - » Grounded or Ungrounded
- Sheath Diameters:
 - » 0.125", 0.156"

APPLICATIONS

- Process
- Hot Melt

dimensions



Straight Style Miniature Capsule



Stepped Style Miniature Capsule

'D' = Sheath Diameter
 'Y' = Leadwire/Cable Length

Miniature Thermocouple Probe

performance specifications

Insulation Resistance – Ungrounded Model:

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

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

Miniature Thermocouple Probe

Model	Temperature Range		
624M	Moderate: -50 to 250°C (-58 to 482°F)		
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	Sheath Style		
1	Straight		
2	Stepped		
Model	Wire Gage	'D' Sheath Diameter	
B	20 AWG	.156" Diameter	
E	24 AWG	.125" Diameter	
Model	'Y' Stainless Steel Braid Length		
----	Define 'Y' Length in Inches (12 = 12.0")		

联系方式



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