



MEAS SPRING LOADED THERMOCOUPLE PROBE- BAYONET

- ◆ Variety of Configurations
- ◆ Spring Action Bayonet Fitting
- ◆ Fast Response
- ◆ Single and Dual Junctions
- ◆ Stainless Steel Case

The Spring Loaded Thermocouple–Bayonet consists of a stainless steel sheath, and bayonet holder. Bayonet mounting provides a simple and inexpensive spring loaded option for installing probes where a fluid seal is not required. We also offer a 1/8" NPT mounting adaptor to assist with locking the sensor in position.

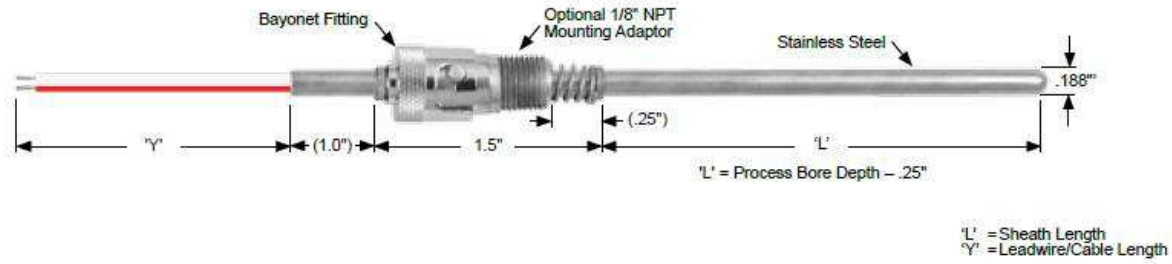
Features

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

Applications

- ◆ Electric Motors
- ◆ Generators
- ◆ Process

Dimensions



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

Pressure Rating:
Standard Stainless Steel Sheath: 100 psi (6.9 bar)
Isolated Stainless Steel Sheath: 100 psi (6.9 bar)
Insulated Epoxy Glass Sheath: 30 psi (2.1 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 Information

Spring Loaded Thermocouple Probe–Bayonet			
Model	Temperature Range		
222M	Moderate: -50 to 250°C (-58 to 482°F)		
222H	High: Mineral Insulated (Consult Factory)		
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]
JJ	JJ	Dual	Red/White // Red/White
KK	KK	Dual	Red/Yellow // Red/Yellow
TT	TT	Dual	Red/Blue // Red/Blue
EE	EE	Dual	Red/Purple // Red/Purple
Model	Junction Style		
G	Grounded Junction		
U	Ungrounded Junction		
Limits of Error			
A	Standard Limits of Error		
B	Special Limits of Error		
Model	'L' Sheath Length		
---	Define 'L' Length in Inches (12.0 = 12.0") Note: Minimum 1.5" / Maximum 36.0"		
Model	Sheath Material		
B	Stainless Steel		
E	Inconel (H Only)		
Model	'Y' Leadwire/Cable Options		
N	No Options, Stranded TFE Leadwires (36.0" Standard)		
W	Leadwire Options		
Model	Additional Options (Leave Code Blank If Not Required)		
A	1/8" NPT Mounting Adaptor		

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