

# Spring Loaded Thermocouple Probe— Bayonet

Spring Action Bayonet Fitting  
Variety of Configurations  
Single Junction  
Stainless Steel Case



The **Spring Loaded Thermocouple Probe—Bayonet** is constructed with a stainless steel sheath and a bayonet fitting. 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.

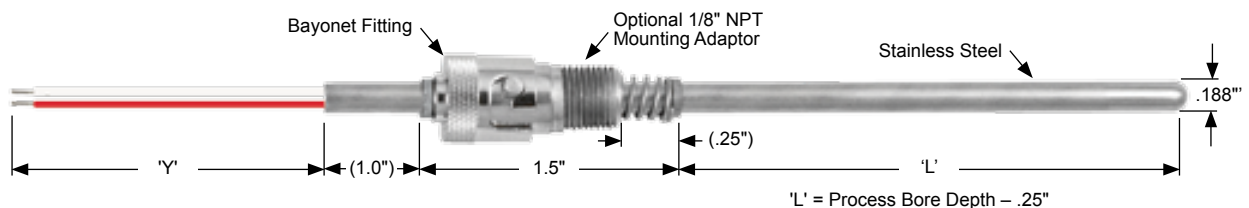
## FEATURES

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

## APPLICATIONS

- Process

## dimensions



'L' = Sheath Length  
'Y' = Leadwire/Cable Length

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## 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:

1,500 psi

### 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%

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## ordering info

Spring Loaded Thermocouple Probe—Bayonet			
<b>Model</b>	<b>Temperature Range</b>		
222M	Moderate: -50 to 250°C (-58 to 482°F)		
222H	High: Mineral Insulated (Consult Factory)		
<b>Model</b>	<b>Thermocouple Type</b>	<b>Junction</b>	<b>Color Code</b>
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
<b>Model</b>	<b>Junction Style</b>		
G	Grounded Junction		
U	Ungrounded Junction		
<b>Model</b>	<b>Limits of Error</b>		
A	Standard Limits of Error		
B	Special Limits of Error		
<b>Model</b>	<b>'L' Immersion Length</b>		
	Define 'L' Length in Inches (12 = 12.0") Note: Minimum 1.5" / Maximum 36.0"		
<b>Model</b>	<b>Sheath Material</b>		
B	Stainless Steel		
E	Inconel (H Only)		
<b>Model</b>	<b>'Y' Leadwire/Cable Options</b>		
N	No Options, Stranded TFE Leadwires (36.0" Standard)		
W	Leadwire Options		
<b>Model</b>	<b>Additional Options (Leave Code Blank if Not Required)</b>		
A	1/8" NPT Mounting Adaptor		