# Spring Loaded Thermocouple Probe-Twin Threaded Fitting



Ideal for Thermowell Applications
1/2" x 1/2" NPT Threaded Fitting
Variety of Configurations
Single and Dual Junctions
Stainless Steel Case

# Custom Designs Available with:

- Connection Heads
- Transmitters



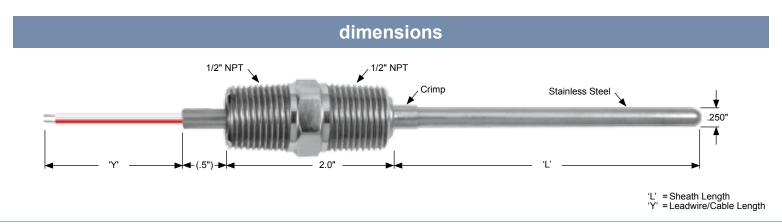
The Spring Loaded Thermocouple Probe—Twin Threaded Fitting is constructed with a stainless steel sheath and utilizes a spring loaded fitting to provide positive contact between the tip and the process. Positive contact can decrease the time response of the sensor as well as provide a more consistent temperature reading. Our crimped twin threaded hex fitting sensors are generally designed for use with thermowells, however they can be used in any application that requires the spring action. The dual threaded fitting also allows the use of a connection head.

## **FEATURES**

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

## **APPLICATIONS**

Process



# **Spring Loaded Thermocouple Probe- Twin Threaded Fitting**

# 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 was 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
Т	-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%
Е	-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%
К	-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

Spring Loaded Thermocouple Probe-Twin Thread Fitting						
Model	•					
221M	Temperature Range					
221W	Moderate: -50 to 250°C (-58 to 482°F) High: Mineral Insulated (Consult Factory)					
Model	High: Mineral Insula Thermocouple Type	Junction	Color Code			
J	J	Single	Red/White [Constantan/Iron]			
K	K	<u> </u>	Red/Yellow [Alumel/Chromel]			
T	T T	Single Single	Red/Blue [Constantan/Copper]			
E	F	Single	Red/Purple [Constantan/Copper]			
JJ	JJ	Dual	Red/White // Red/White			
KK	KK	Dual	Red/Ville // Red/Ville Red/Yellow // Red/Yellow			
TT	TT	Dual	Red/Blue // Red/Blue			
EE	EE	Dual	Red/Bide // Red/Bide Red/Purple // Red/Purple			
Model	Junction Style	Duai	Reur uipie // Reurruipie			
G	Grounded Junction					
U	Ungrounded Junction					
Model	Limits of Error					
A	Standard Limits of Error					
В	Special Limits of Error					
Model	Connection Head (Terminal Block Included)					
N	No Connection Head					
A	Stainless Steel					
В	Aluminum					
Č	Polypropylene (Model 210M Only)					
Ď	Cast Iron					
G	Small Stainless Steel					
Model	'L' Immersion Length					
		s (12 = 12.0") Note: Minimu	m 1.5" / Maximum 36.0"			
Model	Sheath Material					
В	Stainless Steel					
E	Inconel (H Only)					
Model	'Y' Leadwire/Cable Options					
N	No Options, Stranded TFE Leadwires (36.0" Standard)					
W	Leadwire Options					
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Model		ve Code Blank if Not Requir	ed)			

## 联系方式



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