

Adjustable Bayonet Holder
Variety of Configurations
Fast Response
Tip Sensitive
Single and Dual Junctions



The **Tip Sensitive Bearing Thermocouple Probe—Flex Armor/Bayonet** is a temperature sensors with the junction encased in a copper alloy tip. The copper alloy tip is attached to a flex armor sheath. This allows for increased accuracy and sensitivity to temperature changes at the point of contact in bearings. The design also provides great mounting flexibility, the bayonet adaptor allows for a simple and inexpensive spring loaded installation option. The sensor is ideal for applications with solids, it is not for use in fluid applications.

The sensor comes standard with a 1/8" NPT mounting adaptor for ease of locking the sensor in place. The bayonet holder is fully adjustable over the entire specified "L" or immersion length.

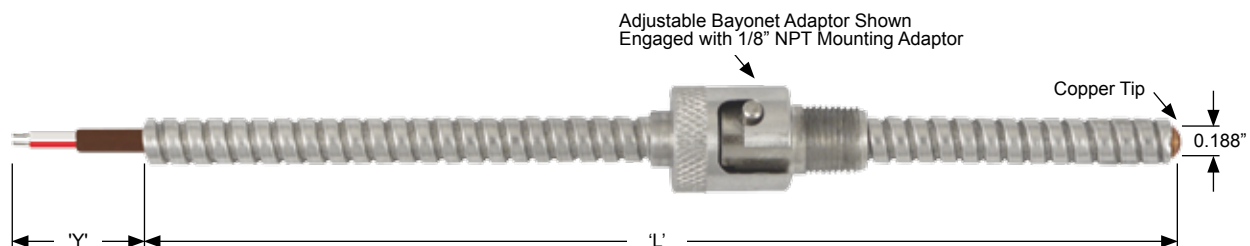
FEATURES

- Flex Armor Sheath
 - » Copper Tip
- Junction Types, Single and Dual:
 - » J, K, T, E
 - » Grounded or Ungrounded
- Sheath Diameters:
 - » 0.188"
- 1/8" NPT Mounting Adaptor
- Leadwire/Cable Options

APPLICATIONS

- Electric Motors
- Generators

dimensions



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

Tip Sensitive Bearing Thermocouple Probe— Flex Armor/Bayonet

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)

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

Tip Sensitive Bearing Thermocouple Probe—Flex Armor/Bayonet			
Model	Sheath Style	Temperature Range	
413	Stainless Steel Flex Armored	-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]
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' Armor Sheath Length		
---	Define 'L' Length in Inches (12 = 12.0") Note: Minimum 1.5" / Maximum 36.0"		
Model	'Y' Leadwire/Cable Options		
N	No Options, Stranded TFE Leadwires (36.0" Standard)		
W	Leadwire Options		
Model	Additional Options (Leave Model Option Blank If Not Required)		
A	1/8" NPT Mounting Adaptor (7/8" Standard)		

联系方式



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