

Tip Sensitive Bearing RTD Probe— Flex Armor/Bayonet



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



The **Tip Sensitive Bearing RTD Probe—Flex Armor/Bayonet** is a temperature sensor with the sensing element 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

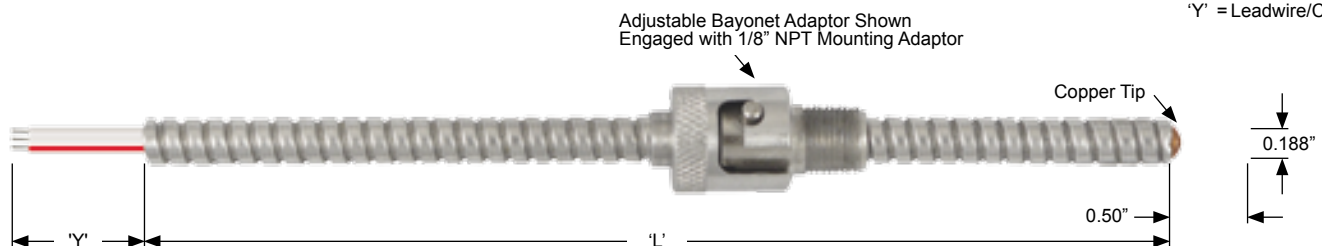
- Flex Armor Sheath
 - » Copper Tip
- Elements, Single and Dual:
 - » Platinum, Copper, Nickel
- Sheath Diameters:
 - » 0.188"
- 1/8" NPT Mounting Adaptor
- Leadwire/Cable Options

APPLICATIONS

- Electric Motors
- Generators

dimensions

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



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performance specifications

Insulation Resistance:

Single or Dual Elements:

1,000 megohms @ 500 VDC, leads to case

Dual Elements:

100 megohms @ 50 VDC between elements

Time Constant (typical in 3 ft/sec moving water):

Single Element: 2.0 seconds

Dual Element: 3.0 seconds

Pressure Rating:

Standard Stainless Steel Sheath: 100 psi (6.9 bar)

RTD Temperature Accuracy Specifications:

Element Material	TCR	Standard Tolerances at 0°C	
		±.12%	±.5%
Platinum	0.00385	0.30°C, 0.12Ω	1.20°C, 0.46Ω
Platinum	0.00392	N/A	1.20°C, 0.46Ω
Nickel	0.00672	N/A	0.85°C, 0.68Ω

ordering info

Tip Sensitive Bearing RTD Probe—Flex Armor/Bayonet			
Model	Sheath Style	Temperature Range	
313M	Stainless Steel	-50 to 155°C (-58 to 311°F)	
Model	Element	Accuracy	Temperature Coefficient
P2B	Platinum	100 Ohm ±.12% at 0°C	.00385
P2C	Platinum	100 Ohm ±.5% at 0°C	.00385
G2C	Platinum	100 Ohm ±.5% at 0°C	.00392
N3C	Nickel	120 Ohm ±.5% at 0°C	.00672
Model	Leadwires, Element Configuration		Typical Color Code
3S	Three Wire, Single		Red/White/White
3D	Three Wire, Dual		Red/White/White // Blue/Yellow/Yellow
Model	'L' Armor Length		
---	Define 'L' Length in Inches (12 = 12.0")		
Model	Additional Options		
N	No Options		
A	1/8" NPT Mounting Adaptor (7/8" Length Standard)		
W	Leadwire Options		

联系方式



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