

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



The **Spring Loaded RTD 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.

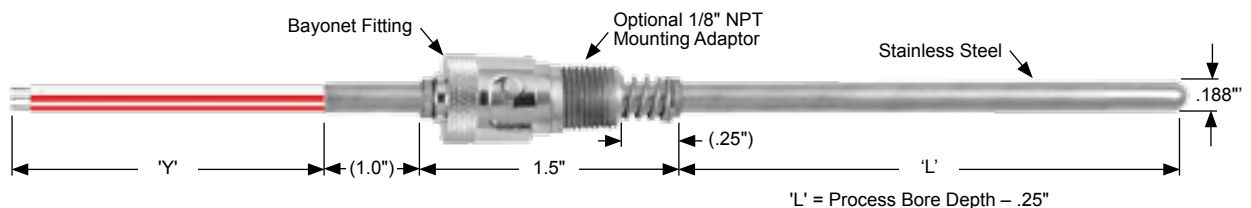
## FEATURES

- Sheath Styles:
  - » Stainless Steel
- Elements, Single and Dual:
  - » Platinum, Copper, Nickel
- Sheath Diameters:
  - » 0.188"
- Leadwire/Cable Options

## APPLICATIONS

- Process

## dimensions



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

# Spring Loaded RTD Probe–Bayonet

## performance specifications

### Repeatability:

Less than  $\pm .06\%$  change in ice point resistance after 10 consecutive cycles between ice point and 250°C

### Long Term Stability:

Less than  $\pm .2\%$  ice point resistance shift after 1,000 hours at 250°C

### Self Heating:

10 mW/C in water moving 3 feet/sec

### Pressure Rating:

1,500 psi

### Insulation Resistance:

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

### RTD Temperature Accuracy Specifications:

Element Material	TCR	Standard Tolerances at 0°C			
		$\pm .06\%$	$\pm .12\%$	$\pm .2\%$	$\pm .5\%$
Platinum	0.00385	0.15°C, 0.06Ω	0.30°C, 0.12Ω	0.50°C, 0.19Ω	1.20°C, 0.46Ω
Platinum	0.00392	N/A	N/A	N/A	1.20°C, 0.46Ω
Copper	0.00427	N/A	N/A	0.71°C, 0.028Ω	1.49°C, 0.058Ω
Nickel	0.00672	N/A	N/A	N/A	0.85°C, 0.68Ω

## ordering info

### Spring Loaded RTD Probe–Bayonet

Model	Temperature Range		
122M	Moderate: -50 to 250°C (-58 to 482°F)		
122H	High: -50 to 500°C (-58 to 932°F)		
122F	Full: -200 to 500°C (-328 to 932°F)		
Model	Element	Accuracy	Temperature Coefficient
P2A	Platinum	100 Ohm $\pm .06\%$ at 0°C	.00385
P2B	Platinum	100 Ohm $\pm .12\%$ at 0°C	.00385
P2C	Platinum	100 Ohm $\pm .5\%$ at 0°C	.00385
P6B	Platinum	1,000 Ohm $\pm .12\%$ at 0°C	.00385
G2C	Platinum	100 Ohm $\pm .5\%$ at 0°C	.00392
C1D	Copper	10 Ohm $\pm .2\%$ at 25°C	.00427 (Model 122M Only)
N3C	Nickel	120 Ohm $\pm .5\%$ at 0°C	.00672 (Model 122M Only)
Model	Leadwires, Element Configuration	Typical Color Code	
3S	Three Wire, Single	Red/Red/White	
3D	Three Wire, Dual	Red/Red/White // Black/Green/Green	
4D	Four Wire, Dual	Red/Red/White/White // Black/Black/Green/Green	
Model	'L' Immersion 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 Code Blank if Not Required)		
A	1/8" NPT Mounting Adaptor Option		

## 联系方式



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