

# Point Sensing RTD Probe— Compression Fitting



- Variety of Configurations
- Adjustable Compression Fitting
- Tip Sensitive
- Quick Time Response
- Single Element

- Custom Designs Available with:
- Connection Heads
  - Transmitters
  - Cable or Leadwire Options



The **Point Sensing RTD Probe—Compression Fitting** is constructed with a rigid stainless steel sheath with an element embedded into an aluminum tip. The aluminum tip provides faster time response. These sensors are typically designed for use in plenums and ducts within HVAC systems. They can also be utilized whenever a quick time response in a non-corrosive low pressured environment is needed.

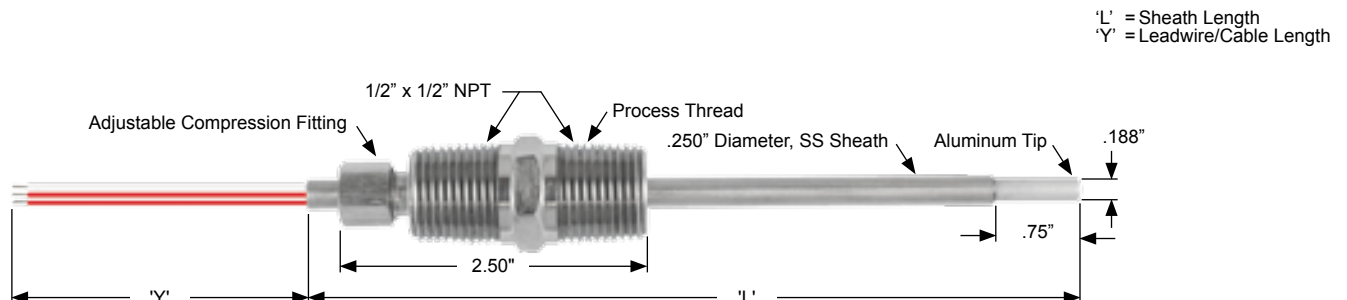
## FEATURES

- Sheath Styles:
  - » Rigid Stainless Steel
- Elements, Single:
  - » Platinum
- Sheath Diameter:
  - » Stem: .250"
  - » Tip: .188"
- Leadwire/Cable Options

## APPLICATIONS

- HVAC

## dimensions



# Point Sensing RTD Probe— Compression Fitting

## performance specifications

### Insulation Resistance:

Single Element:  
1,000 megohms @ 500 VDC, leads to case

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

Single Element: 2.0 seconds

### 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

### 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

## ordering info

Point Sensing RTD Probe—Compression Fitting			
<b>Model</b>	<b>Sheath Style</b>		<b>Temperature Range</b>
501M	Standard Stainless Steel with Aluminum Tip		-50 to 250°C (-58 to 482°F)
<b>Model</b>	<b>Element</b>	<b>Accuracy</b>	<b>Temperature Coefficient</b>
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
<b>Model</b>	<b>Leadwires, Element Configuration</b>		<b>Typical Color Code</b>
2S	Two Wire, Single		Red/White
3S	Three Wire, Single		Red/Red/White
4S	Four Wire, Single		Red/Red/White/White
<b>Model</b>	<b>'L' Sheath Length</b>		
---	Define 'L' Length in Inches (12 = 12.0")		
<b>Model</b>	<b>Connection Head</b>		
N	No Connection Head		
A	Stainless Steel		
B	Aluminum		
D	Cast Iron		
G	Small Stainless Steel		
<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>		
T	Transmitter Option		

## 联系方式



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