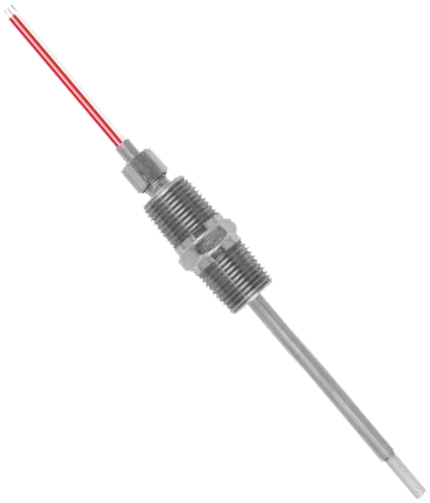


MEAS POINT SENSING RTD PROBE-COMPRESSION FITTING

- 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

- HVACR

Performance Specifications

Time Constant (typical in 3 ft/sec moving water):
RTD: Stainless Steel Sheath
Single Element: 2.0 seconds

Repeatability:
Less than ± .06% change in ice point resistance
after 10 consecutive cycles between ice point and 250°C

Long Term Stability:
Less than ± .2% ice point resistance
shift after 1,000 hours at 250°C

Self-Heating:
10 mW/C in water moving 3 feet/sec

Insulation Resistance:
1,000 megohms @ 500 V, leads to case

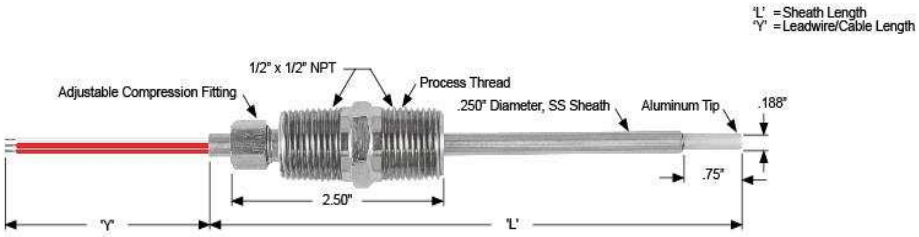
Vibration:
Withstands 5 to 500 Hz at 3 g-level peak
for 3 hours. Per ASTM E 644, Sec. 10.

Shock:
Withstands 50 g-level peak sine wave shock
of 11 milliseconds duration. Per ASTM E 644, Sec. 11

Ordering Information

POINT SENSING RTD PROBE–COMPRESSION FITTING			
Model	**Sheath Style**		**Temperature Range**
501M	Standard Stainless Steel with Aluminum Tip		-50 to 250°C (-58 to 482°F)
Model	**Element**	**Accuracy**	**Temperature Coefficient**
P2A	Platinum	100 Ohm ±.06% at 0°C	.00385
P2B	Platinum	100 Ohm ±.12% at 0°C	.00385
P2C	Platinum	100 Ohm ±.5% at 0°C	.00385
Model	**Leadwires, Element Configuration**		**Typical Color Code**
2S	Two Wire, Single		Red/White
3S	Three Wire, Single		Red/Red/White
4S	Four Wire, Single		Red/Red/White/White
Model	**'L' Sheath Length**		
---	Define 'L' Length in Inches Example: (12.0 = 12.0"; 6.5 = 6.5")		
Model	**Connection Head**		
N	No Connection Head		
A	Stainless Steel		
B	Aluminum		
D	Cast Iron		
G	Small Stainless Steel		
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)		
T	Transmitter Option (Specify Temperature Range)		

Dimensions



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