

## MEAS AVERAGING RTD PROBE-TWIN THREADED FITTING

- Averages Temperature
- Flexible Sheath
- Twin Threaded Hex Fitting
- Three Sheath Styles Available
- Connection Heads Available
- Transmitters Available

The Averaging RTD Probe–Twin Threaded Fitting is designed for use in and around intake manifolds and heating/cooling coils in HVAC systems. The flexible sheath has a sensitive area that is equal to its overall length. This provides an average temperature of the air as it moves through the system. Acquiring the average air temperature over a large area of airflow can provide more consistent temperature control throughout the system. This sensor also eliminates the need for multiple sensors and instrumentation. Mounting these sensors can easily be achieved by using either our fixed or adjustable fittings. Connection heads and conduit boxes are available for a seamless transition to instrumentation.

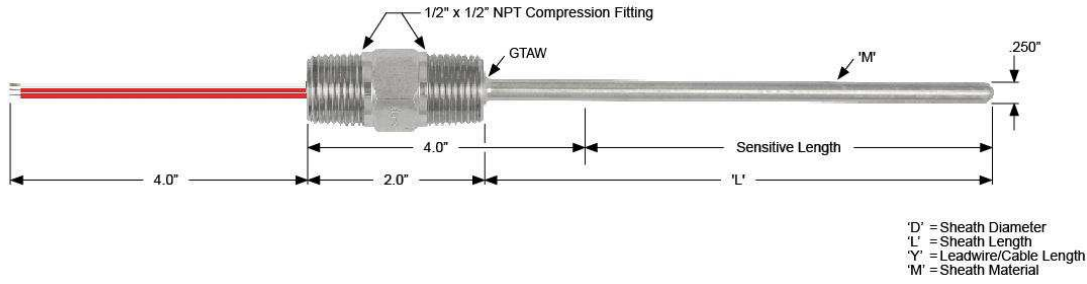
### Features

- Sheath Styles:
  - » Stainless Steel, Copper, Aluminum
- Elements, Single:
  - » Platinum or Simulated Platinum
- Sheath Diameter:
  - » 0.250"
- Twin Threaded Hex Fitting:
  - » 1/2" x 1/2" NPT
- Leadwire/Cable Options

### Applications

- HVACR

**Dimensions**



**Performance Specifications**

**Insulation Resistance:**  
Single Elements: 1,000 megohms @ 500 VDC leads to case

**Temperature Range:**  
-100 to 200°C (-148 to 392°F)

**Pressure Rating:**  
1,500 psi

**Minimum Bend Radius:**  
Stainless Steel: 9.0" Radius  
Copper: 6.0" Radius,  
Aluminum: 8.0" Radius

**Element Wire:**  
Simulated Platinum

**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

# MEAS AVERAGING RTD PROBE-TWIN THREADED FITTING

## Ordering Information

AVERAGING RTD PROBE-TWIN THREADED HEX FITTING			
<b>Model</b>	<b>Temperature Range</b>		
512M	Moderate:-100 to 200°C (-148 to 392°F)		
<b>Model</b>	<b>Element</b>	<b>Accuracy</b>	<b>Temperature Coefficient</b>
P2B	Platinum	100 Ohm ±.12% at 0°C	.00385 (Model P2B Maximum Sheath Length 36.0")
P2C	Platinum	100 Ohm ±.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 Example: (120.00 = 120.0"; 38.25 = 38.25") Maximum Length of 1,200.0"		
<b>Model</b>	<b>Connection Head</b>		
N	No Connection Head		
A	Stainless Steel		
B	Aluminum		
C	Polypropylene		
D	Cast Iron		
G	Small Stainless Steel		
<b>Model</b>	<b>'M' Sheath Material</b>		
A	Stainless Steel		
B	Copper		
C	Aluminum		
<b>Model</b>	<b>'Y' Leadwire/Cable Options</b>		
N	No Options, Stranded PTFE Leadwires (36.0" Standard Without Connection Head)		
W	Leadwire Options		
<b>Model</b>	<b>Additional Options (Leave Option Model Blank if Not Required)</b>		
T	Transmitter Options		

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