

# Averaging RTD Probe— Compression Fitting



- Averages Temperature
- Flexible Sheath
- Adjustable Compression Fitting
- Three Sheath Styles Available
- Connection Heads Available
- Transmitters Available



The **Averaging RTD Probe—Compression 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.

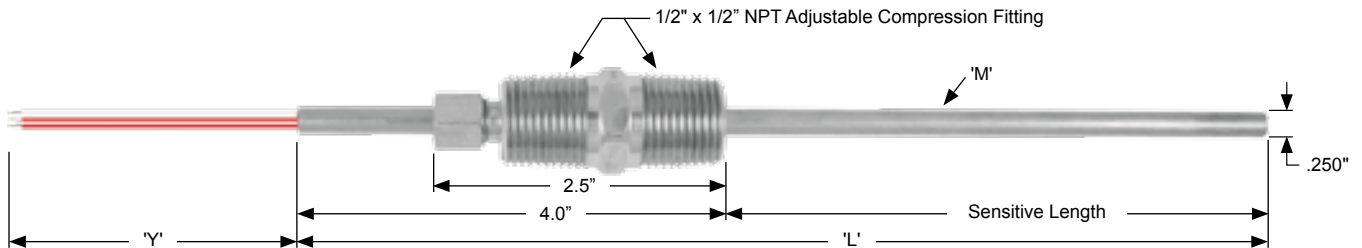
## FEATURES

- Sheath Styles:
  - » Stainless Steel, Copper, Aluminum
- Elements, Single:
  - » Platinum
- Sheath Diameter:
  - » 0.250"
- Adjustable Compression Fitting
  - » 1/2" x 1/2" NPT
- Leadwire/Cable Options

## APPLICATIONS

- HVAC

## dimensions



'D' = Sheath Diameter  
'L' = Sheath Length  
'Y' = Leadwire/Cable Length  
'M' = Sheath Material

# Averaging RTD Probe— Compression Fitting

## performance specifications

### Insulation Resistance:

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

### Temperature Range:

-100 to 200°C (-148 to 382°F)

### 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

## ordering info

### Averaging RTD Probe—Compression Fitting

#### Model Temperature Range

511M Moderate: -100 to 200°C (-148 to 382°F)

#### Model Element Accuracy Temperature Coefficient

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

#### 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 (12 = 12.0") Maximum 1,200.0"

#### Model Connection Head

N No Connection Head

A Stainless Steel

B Aluminum

C Polypropylene

D Cast Iron

G Small Stainless Steel

#### Model 'M' Sheath Material

A Stainless Steel

B Copper

C Aluminum

#### Model 'Y' Leadwire/Cable Options

N No Options, Stranded PTFE Leadwires (36.0" Standard)

W Leadwire Options

#### Model Additional Options (Leave Option Model Blank if Not Required)

T Transmitter Options

## 联系方式



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