

Averaging RTD Probe

Averages Temperature
Flexible Sheath
Three Sheath Styles Available



The **Averaging RTD Probe** 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.

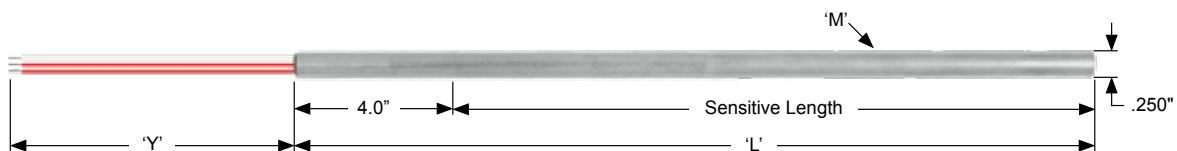
FEATURES

- Sheath Styles:
 - » Stainless Steel, Copper, Aluminum
- Elements, Single:
 - » Platinum
- Sheath Diameter:
 - » 0.250"
- Leadwire/Cable Options

APPLICATIONS

- HVAC

dimensions



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

Averaging RTD Probe

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

Model Temperature Range

510M 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 Maxium 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 '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

联系方式



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