

Averaging RTD Probe–Conduit Box



Averages Temperature
Flexible Sheath
2" x 4" Conduit Box
Three Sheath Styles Available



The **Averaging RTD Probe–Conduit Box** 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. Conduit boxes are available for a seamless transition to instrumentation.

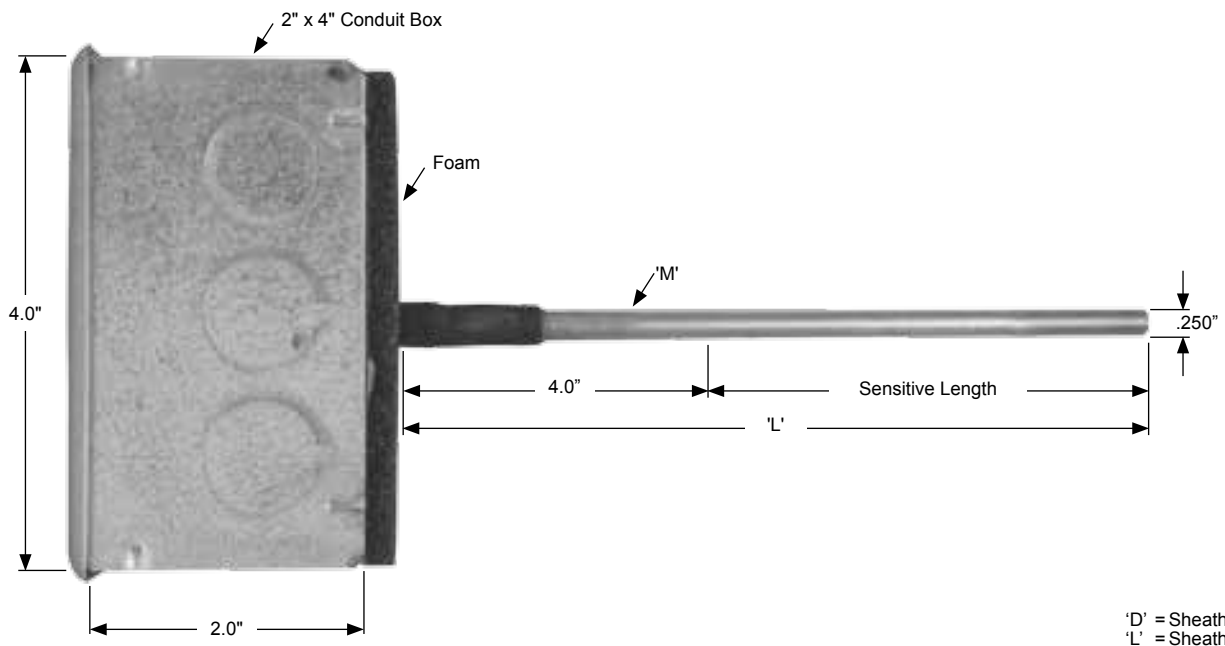
FEATURES

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

APPLICATIONS

- HVAC

dimensions



'D' = Sheath Diameter
'L' = Sheath Length

Averaging RTD Probe–Conduit Box

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–Conduit Box

Model Temperature Range

514M 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 'M' Sheath Material

A	Stainless Steel
B	Copper
C	Aluminum

Model 'Y' Leadwire/Cable Options

N	No Options, Stranded PTFE Leadwires (6.0" Standard)
W	Leadwire Options

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

T	Transmitter Options
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联系方式



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