



MEAS AIR SENSING RTD PROBE-OUTDOOR

- Quick Time Response
- Rugged Design
- Outdoor Use

The Air Sensing RTD Probe–Outdoor is typically used for outdoor air temperature monitoring. The sensor has a rugged design with a cast aluminum housing and a guard plate to protect the sensor from impact damage. The sensor is ideal for use outdoors or in wash-down applications.

Features

- Cast Aluminum Conduit Housing
- Aluminum Guard Plate
- Stainless Steel Sheath
- Elements, Single:
 - » Platinum

Applications

- HVACR

Performance Specifications

Repeatability:

Less than $\pm .06\%$ change in ice point resistance after 10 consecutive cycles between ice point and 250°C

Long Term Stability:

Less than $\pm .2\%$ 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

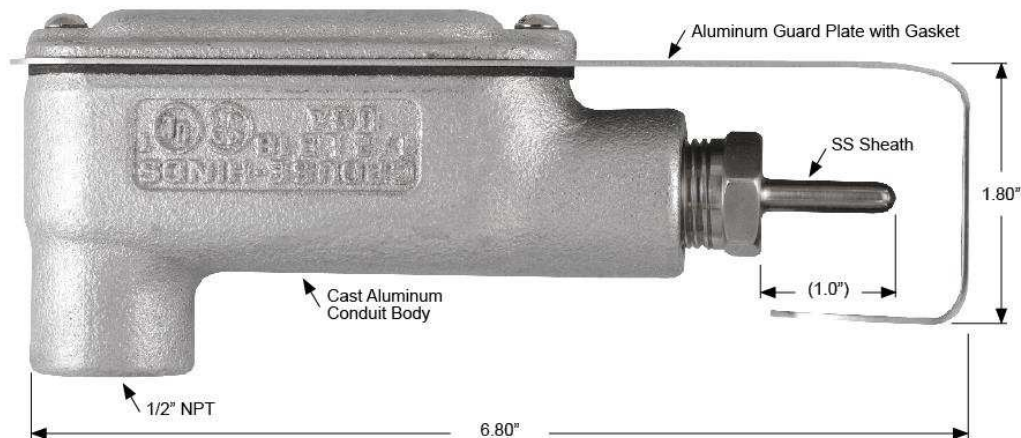
Vibration:

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

Dimensions



Ordering Information

AIR SENSING RTD PROBE-OUTDOOR

Model	Temperature Range
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517M	Moderate: -50 to 250°C (-58 to 482°F)
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Model	Element	Accuracy	Temperature Coefficient
P2A	Platinum	100 Ohm \pm .06% at 0°C	.00385
P2B	Platinum	100 Ohm \pm .12% at 0°C	.00385
P2C	Platinum	100 Ohm \pm .5% at 0°C	.00385

Model	Leadwires, Element Configuration
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Color Code

2S	Two Wire, Single	Red/White
3S	Three Wire, Single	Red/Red/White

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