CleanAlert
Air System Efficiency Monitors

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FRADENPROBE® Air Velocity Transducer

Introducing the FP-132A FRADENPROBE® Air Velocity Transducer, an accurate, cost effective sensor for nearly any market where air flow must be monitored.
The FRADENPROBE® uses patented, low power thermal anemometry technology producing a linearized output. The FRADENPROBE® is robust, easily installed and can be used in a wide variety of applications.

FEATURES

- Accurate Linearized Output
- Resistant to Contaminants
- Reliable Rugged Design
- Low Power Consumption
- Adjustable Insertion Depth
- Custom Solutions Available

APPLICATION EXAMPLES

- HVAC System Controls
- Building Automation
- Medical Facilities
- Data Center Management
- Gas Mediation Monitoring

Specifications

Velocity Range:	40 to 2500 FPM (0.20 to 12.7 m/s)
Accuracy:	±5% of Reading from 200-2500 FPM
	±5% of Reading, ±10 FPM below 200 FPM
Response Time:	Less than 20 seconds from zero to 95% of air flow rate
Power-on Warm Up Time:	Less than 30 seconds
Temperature Ranges:	0° to 122° F (-18° to 50° C), Operating
	-40° to 257° F (-40° to 125° C), Storage
Humidity:	80% RH, non-condensing
Power Requirements:	6.0 to 15VDC at 18 mA
Output Formats:	Linear analog output from 0.5 to 4.5V DC and Pulse-Width Modulation (PWM), from approximately 10% to 90% duty cycle over the measurement range at 60Hz frequency (typical)
Electrical Connections:	4 wires: Ground, Power, Analog and PWM Outputs
Probe Size:	7.875" x 0.5"
Mounting Collar:	1.5" diameter
Extension Thread:	1/2-28 UNEF
Insertion Depth:	1.5" to 7.1"