

# ELECTRA-flo PROBE ARRAY

## EXTERNALLY MOUNTED THERMAL AIR FLOW PROBE

# Ultra Series

**STANDARD CONSTRUCTION**

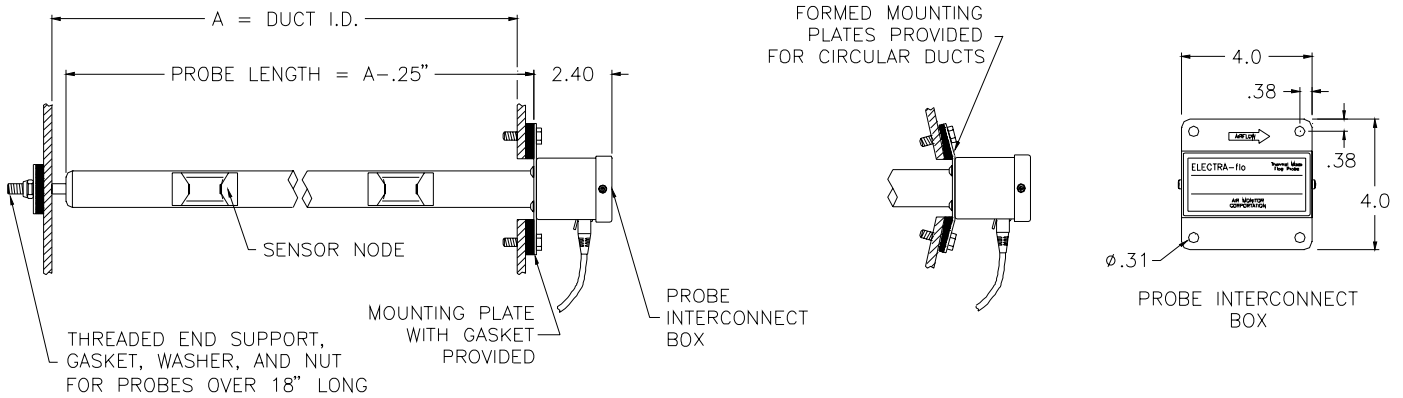
<p>Probe. Sensor Assembly. Sensor Type. Sensor Signal Processing. Mounting.</p> <p>Probe to Probe Signal Connection.</p> <p>Probe to Transmitter Signal Connection. Gasket. Probe Size Range. Maximum # of Sensors Per Probe. Maximum # of Probes Per Transmitter. Sensor Pattern.</p> <p>Sensors Per Probe Array, Rectangular Ducts.</p>	<p>Type 6063 anodized aluminum. 1-1/8" diameter. Injection molded polycarbonate. Sealed thermistor. Microprocessor in each sensor node, with 12 bit A/D conversion. External duct mounted via 4" x 4" aluminum plate. Threaded end support for probes larger than 18". Integral cable with RJ-45 connector. 2' to 10' long, depending upon duct dimensions. Multiple probes connect in serial configuration. Single cable with RJ-45 connector. Standard length 10'. Optional lengths 50' and 100'. Closed cell neoprene, 1/4" thick. 8" to 120" 16 16 On an equal area basis for rectangular probes. On an equal concentric area basis for circular probes.</p>
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Station Area	Sensor Density
1 to <15 Sq. Ft.	1.33 Sq. Ft. per Sensor
15 to <30 Sq. Ft.	1.50 Sq. Ft. per Sensor
30 to <60 Sq. Ft.	1.75 Sq. Ft. per Sensor
60 to 100 Sq. Ft.	3.13 Sq. Ft. per Sensor

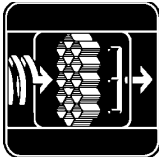
**PERFORMANCE SPECIFICATIONS**

Individual Sensor Accuracy.	2% of reading
Station Accuracy.	2-3% of flow
Sensor Temperature Accuracy.	±0.1°F
Number of Calibration Points Per Sensor.	6
Velocity Calibration Range.	0 to 5,000 FPM
Humidity Range.	0 to 95% RH, non condensing

**DIMENSIONAL INFORMATION**



NOTE: INSTALLATION REQUIRES A 1.88" INSERTION HOLE AND A .38" END SUPPORT HOLE.



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