SUBMITTAL SHEET

ELECTRA-flo PROBE ARRAY

INTERNALLY MOUNTED
THERMAL AIR FLOW PROBE

Ultra Series

STANDARD CONSTRUCTION

Probe.	Type 6063 anodized aluminum. 1-1/8" diameter.
Sensor Assembly.	Injection molded polycarbonate.
Sensor Type.	Sealed thermistor.
Sensor Signal Processing.	Microprocessor in each sensor node, with 12 bit A/D conversion.
Mounting.	Internal duct mounted via stainless steel brackets.
Probe to Junction Box Connection.	Integral cable with RJ-45 connector. 2' to 10' long, depending upon duct dimensions. Multiple probes connect in serial configuration.
Junction Box to Transmitter Signal Connection.	Single cable with RJ-45 connector. Standard length 10'. Optional lengths 50' and 100'.
Gasket.	Closed cell neoprene, 1/4" thick.
Probe Size Range.	8" to 120"
Sensor Pattern.	On an equal area basis for rectangular probes. On an equal concentric area basis for circular probes.

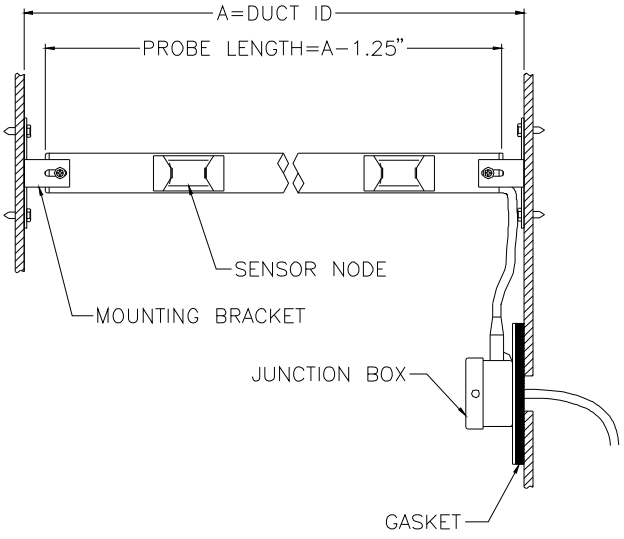
Sensors Per Probe Array, Rectangular Ducts.

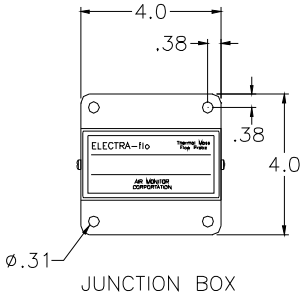
Station Area	Sensor Density
1 to <15 Sq. Ft.	1.33 Sq. Ft. per Sensor
15 to <30 Sq. Ft.	1.50 Sq. Ft. per Sensor
30 to <60 Sq. Ft.	1.75 Sq. Ft. per Sensor
60 to 100 Sq. Ft.	3.13 Sq. Ft. per Sensor

PERFORMANCE SPECIFICATIONS

Individual Sensor Accuracy.	2% of reading
Station Accuracy.	2-3% of flow
Sensor Temperature Accuracy.	±0.1ºF
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





P.O. Box 6358 • Santa Rosa, CA 95406 • (707) 544-2706 • (707) 526-2825 Fax
www.airmonitor.com • amcsales@airmonitor.com

AIR MONITOR CORPORATION

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