

ELECTRA-fl_o/CM

RECTANGULAR CONFIGURATION

THERMAL AIR FLOW MEASURING STATION

Plus Series

STANDARD CONSTRUCTION

Casing.	14 ga. galvanized sheetmetal, intermittent welded casing sealed with metal caulking.
Flanges.	1½" wide, 90° formed flange for all sizes up to 144" x 144".
Casing Depth.	8"
Air Flow Straightener.	Corrosion resistant 3003 aluminum. 3" deep x ½" cell.
Probe.	Type 6063 anodized extruded 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.
Probe Mounting.	External mounted via 4" x 4" aluminum plate, with closed cell neoprene gasket.
Probe to Probe Connection.	Integral cable with RJ-45 connector. Multiple probes connect in serial configuration.
Station to Transmitter Connection.	Single cable with RJ-45 connector. Standard length 10'. Optional lengths 50' and 100'.
Sensor Pattern.	On an equal area basis for rectangular probes. On an equal concentric area basis for circular probes

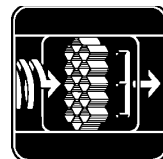
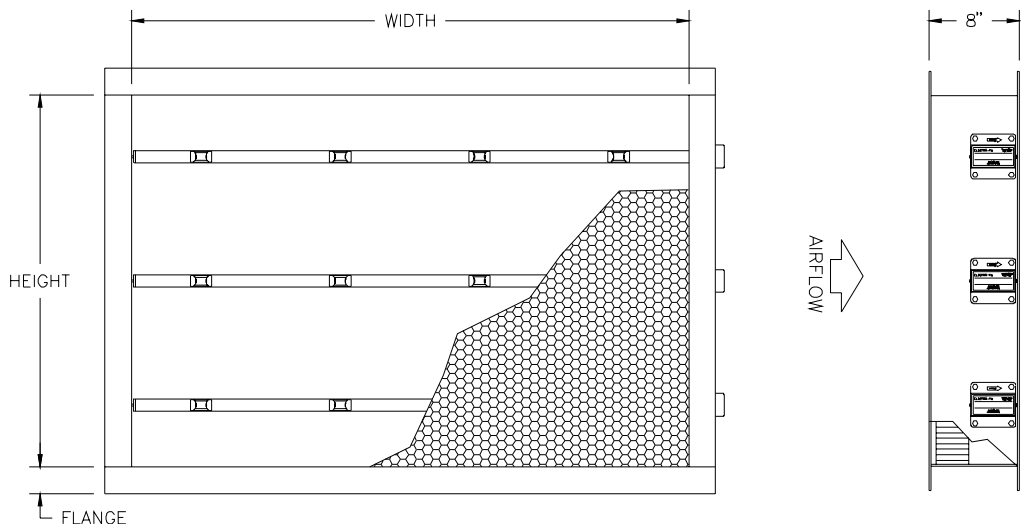
Sensors Per Station.

Station Area	Sensor Density
1 to <15 Sq. Ft.	1.50 Sq. Ft. per Sensor
15 to <30 Sq. Ft.	1.67 Sq. Ft. per Sensor
30 to <60 Sq. Ft.	2.10 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



AIR MONITOR CORPORATION