

ELECTRA-flo/M STATION

THERMAL AIRFLOW MEASURING STATION

CIRCULAR CONFIGURATION

Ultra Series

STANDARD CONSTRUCTION

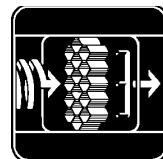
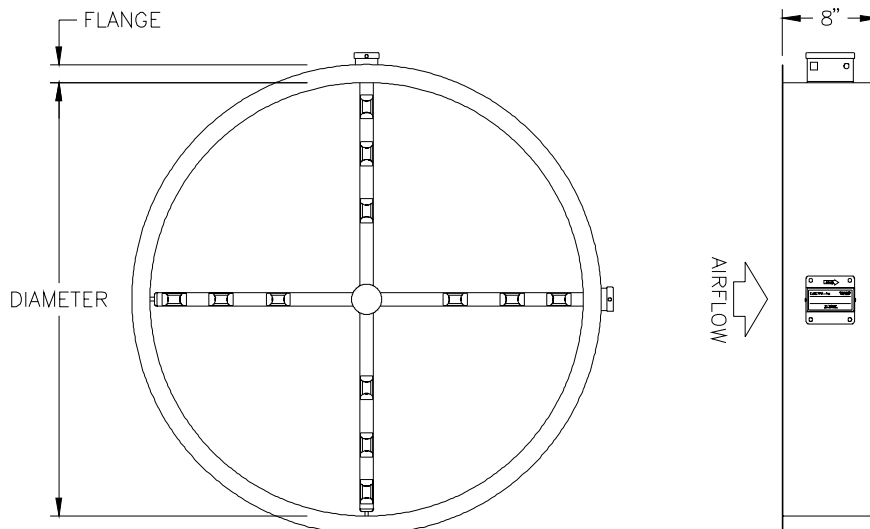
<p>Casing. Flanges.</p> <p>Casing Depth. Probe. Sensor Assembly. Sensor Type. Sensor Signal Processing. Probe Mounting. Probe to Probe Connection. Station to Transmitter Connection. Sensor Pattern.</p> <p>Sensors Per Station.</p>	<p>18 ga. galvanized sheetmetal, spot welded casing seams. Up to 24" dia: 1" flange, 14 ga. galvanized sheetmetal. 25" - 44" dia: 1½" flange, 14 ga. galvanized sheetmetal. 45" plus: 3/16" x 2" carbon steel barstock flange. 8"</p> <p>Type 6063 anodized extruded aluminum. 1-1/8" diameter. Injection molded polycarbonate. Sealed thermistor. Microprocessor in each sensor node, with 12 bit A/D conversion. External mounted via 4" x 4" aluminum plate, with closed cell neoprene gasket. Integral cable with RJ-45 connector. Multiple probes connect in serial configuration. Single cable with RJ-45 connector. Standard length 10'. Optional lengths 50' and 100'. On an equal area basis for rectangular probes. On an equal concentric area basis for circular probes.</p>
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Station Diameter	Sensor Density	Station Diameter	Sensor Density
10" to <14"	.40 Sq. Ft. per Sensor	36" to <48"	1.05 Sq. Ft. per Sensor
14" to <18"	.60 Sq. Ft. per Sensor	48" to <60"	1.10 Sq. Ft. per Sensor
18" to <24"	.80 Sq. Ft. per Sensor	60" to <90"	1.85 Sq. Ft. per Sensor
24" to <36"	.90 Sq. Ft. per Sensor	90" to 120"	2.45 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