

# ELECTRA-flo/M STATION

## RECTANGULAR CONFIGURATION

### THERMAL AIR FLOW MEASURING STATION

## Ultra Series

**STANDARD CONSTRUCTION**

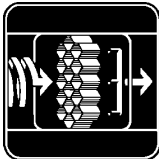
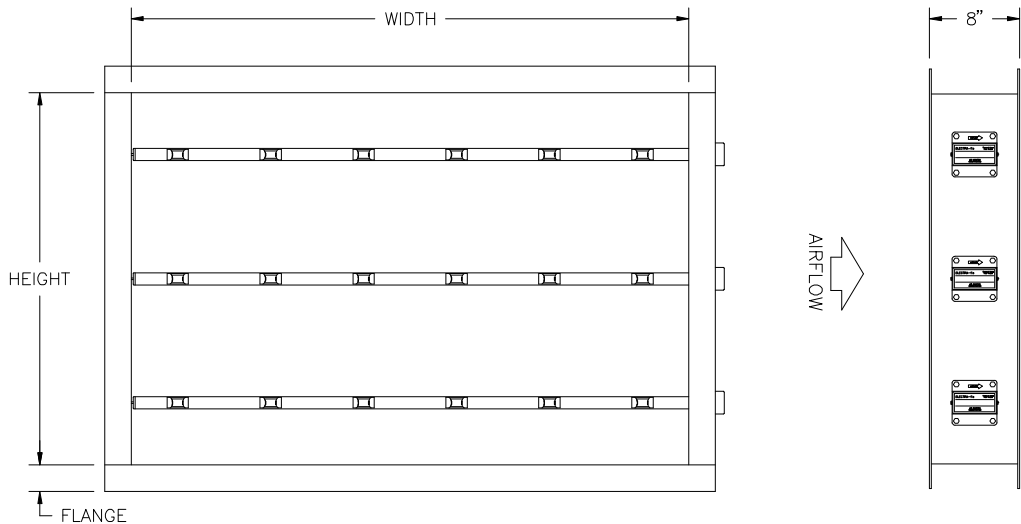
Casing. Flanges. Casing Depth. Probe. Sensor Assembly. Sensor Type. Sensor Signal Processing. Probe Mounting. Probe to Probe Connection. Station to Transmitter Connection. Sensor Pattern.  Sensors Per Station.	14 ga. galvanized sheetmetal, intermittent welded casing sealed with metal caulking. 1½" wide, 90° formed flange for all sizes up to 144" x 144". 8" 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.
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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**



AIR MONITOR CORPORATION