

ELECTRA-*flo* PROBE ARRAY

INTERNALLY MOUNTED

THERMAL MASS FLOW PROBE

Plus Series

STANDARD CONSTRUCTION

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| Probe. Sensor Assembly. Sensor Type. Sensor Signal Processing. Mounting. Probe to Junction Box Connection. Junction Box to Transmitter Signal Connection. Gasket. Probe Size Range. Maximum # of Sensors Per Probe. Maximum # of Probes Per Transmitter. Sensor Pattern. | Type 6063 anodized aluminum. 1-1/8" diameter. Injection molded polycarbonate. Sealed thermistor. Microprocessor in each sensor node, with 12 bit A/D conversion. Internal duct mounted via stainless steel brackets. 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. |
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Sensors Per Probe Array, Rectangular Ducts.

| 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

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|--|-----------------------------|
| 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

