(ENGINEERS)
SUBMITTAL DATA

Air Measuring Station

Design/Application:

The X-10 is an air measuring station with sensing elements which are aerodynamic head devices that generate a differential (velocity) pressure output signal. The sensor's basis of design is a cylindrical tube within a cylindrical tube which permits the simultaneous measurement of both impact (total) and static pressure. The total and static sensing port design reduces the need for an air straightening device. Station is standard with the model PTS-4000 transducer.

Performance:

Velocity: 150 to 2000 fpm (0.76 to 10.2 m/s)

In Air StreamTemperature Range: -20°F to 180°F (-29°C to 82°C)

Out of Air StreamTemperature Range: 32°F to 120°F (0°C to 49°C)

Transducer Accuracy: +/- 0.80% combined accuracy.
(with standard PTS-4000 transducer) (+/- 0.40% accuracy optional)

(with optional LP-1000-TZV transducer) +/- 1.00% combined accuracy.
(+/- 0.50% accuracy optional)

Standard Construction:

Sleeve: 18 ga galvanized steel

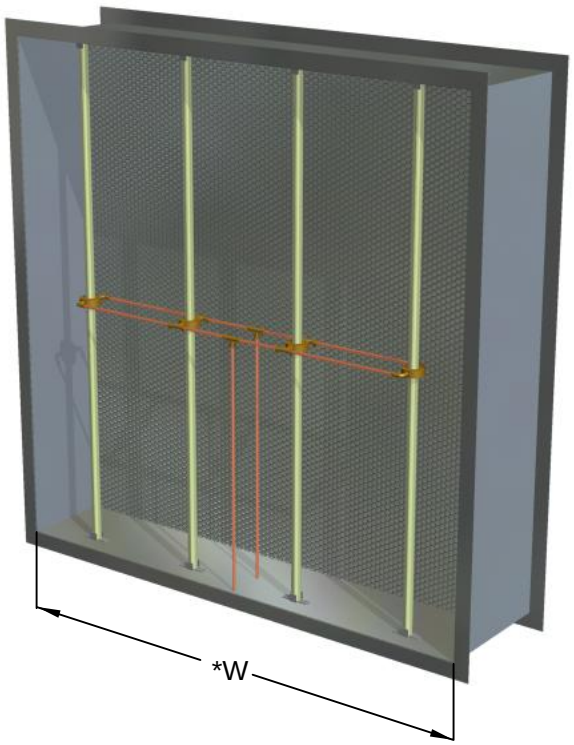
Flow Sensor: 6063-T5 Anodized Aluminum

Transducer: PTS-4000 (standard)
(for options and ordering information see page O-5)

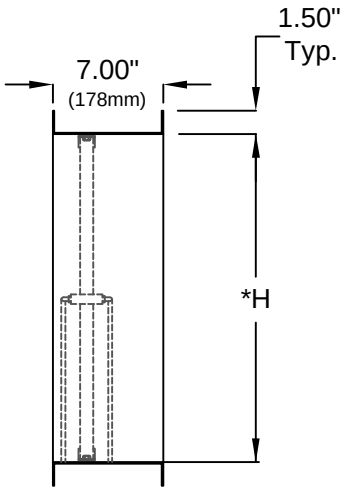
Options:

☐ ***Air Straightener:** Honeycomb with extended sleeve
1/2" honeycomb cells, 3" deep, aluminum alloy
*Only required if turbulent air flow (high disturbance) is present (Increases depth, see mounting arrangements)

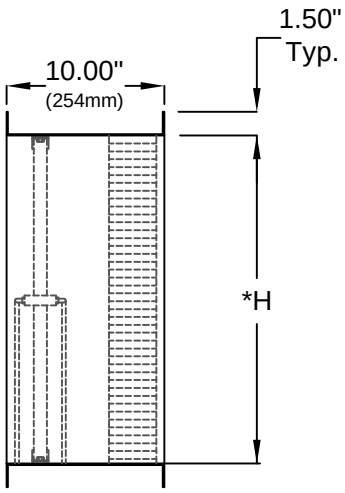
☐ LP-1000-TZV Transducer
(for options and ordering information see page O-6)



Unlimited Air Measuring Station Assemblies (Widths & Heights)
(Shown with optional Honeycomb Air Straightener)



SECTION VIEW
(standard)



SECTION VIEW
(with honeycomb
air straightener)

*Exact Sleeve I.D.

☐ **Model X-10**
Air Measuring Station

DRAWN BY: CLJ	DATE: 12-12-13	REV. DATE: 6-3-14
REV. NO. 3	APPROVED BY: MD	DWG. NO.: O-7