



Air Monitor

Precision Airflow Measurement
An ONICON Brand

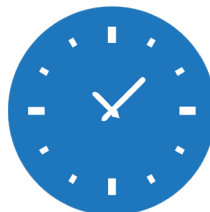
Aluminum LO-flo

PITOT TRAVERSE STATION

The Aluminum LO-flo Pitot Traverse Station is a flow traverse station that combines honeycomb air straightener-equalizer with proven multi-point, self-averaging Pitot technology.



FACTORY CONFIGURED



ON TIME DELIVERY



BEST CUSTOMER SERVICE

- Small Round Ducted Airflow •
- Laboratory Hood Exhaust (SS Version) •

Aluminum LO-flo PITOT TRAVERSE STATION



FEATURES

Each flow traverse station shall contain a flow straightener-equalizer consisting of open cell aluminum honeycomb having a minimum cell size to length ratio of 8 to 1 to minimize the effects of turbulent and rotational flows. The Pitot total pressure sensors shall be positioned at the centers of equal concentric areas on the averaging probe; the static pressure sensor will be a bullet nose type probe.

The traverse station shall be capable of measuring airflow volumes within 2% of actual flow.

DESCRIPTION

Air Monitor's Aluminum LO-flo Pitot Traverse Station is a flow traverse station that combines honeycomb air straightener-equalizer with proven multi-point, self-averaging Pitot technology. The Aluminum LO-flo provides the means of measuring low air volumes of 35 to 1700 CFM in small diameter round ducts, within 2% of actual airflow.

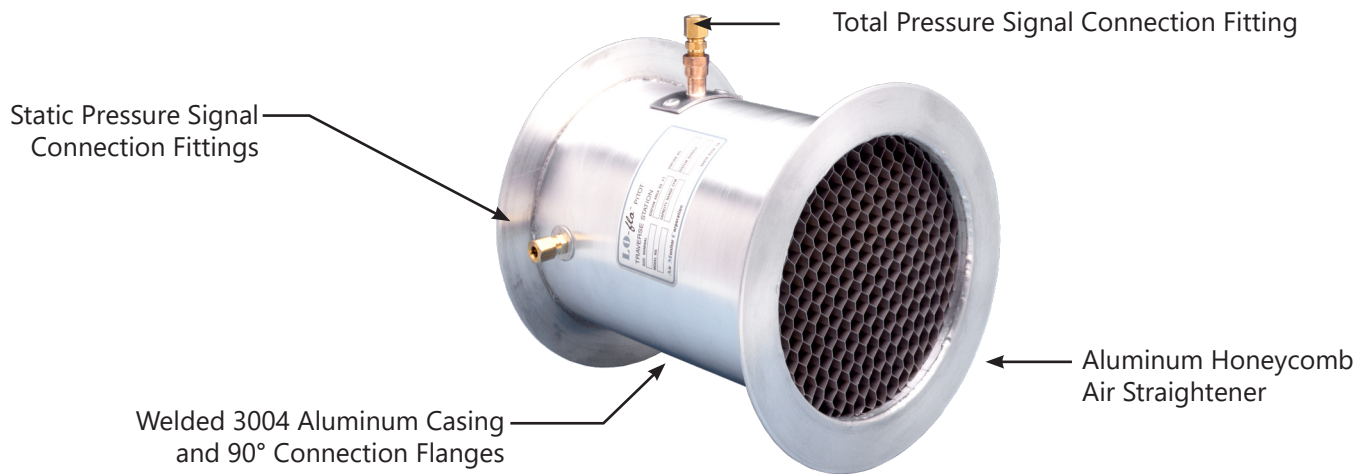


Pairing the Aluminum LO-flo with the VELTRON III provides Display, BACnet, MODBUS, and Analog outputs for $\pm 2\%$ of the reading accuracy.

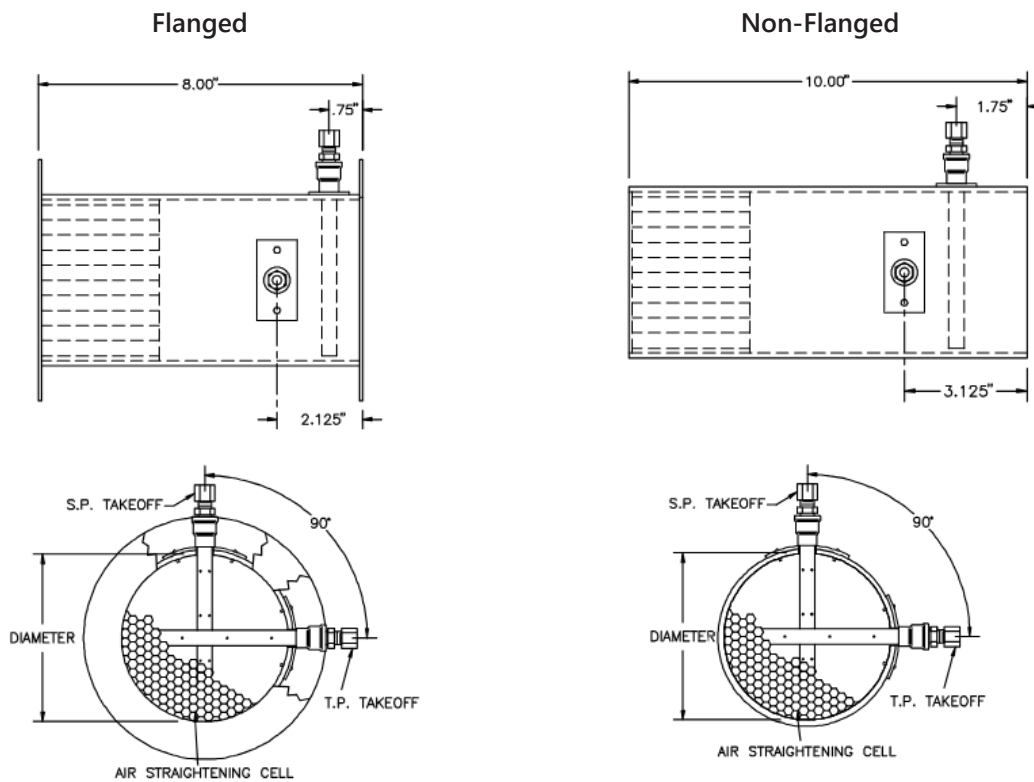
SPECIFICATIONS

Aluminum LO-flo	
ACCURACY	$\pm 2\%$ of actual flow
OPERATING FLOW RATE	400 to 4,000 FPM
OUTPUTS	Individually averaged signals of total and static pressure
OPERATING TEMPERATURE	Continuous operation to 200°F
DUCT DIAMETERS	4", 5", 6", 7", or 8" Round
DIRECTIONAL SENSITIVITY	Not measurably affected by directional airflows with pitch and yaw angles up to 30°
TRAVERSE PATTERN	Equal area
CASING	Type 3004, .065" wall aluminum tube.
FLANGES	1" wide, .08" thick aluminum sheet metal, fusion welded to the casing
AIR EQUALIZER-STRAIGHTENER	Corrosion resistant 3003 aluminum. 3" deep x 3/8" cell
STATIC PRESSURE PROBE	Copper tubing assembled with 50/50 tin/lead solder. Stainless steel mounting bracket
TOTAL PRESSURE PROBE	Copper tubing assembled with 50/50 tin/lead solder. Stainless steel mounting bracket
CONNECTION FITTINGS	1/4" brass compression type standard. Other barb and compression fittings available
CASING DEPTH	8" deep on flanged unit. 10" deep on non-flanged unit

CONSTRUCTION FEATURES



DIMENSIONAL SPECIFICATION



SIZE	O.D.	I.D.	T.P. SENSOR HOLE QTY	RECOMMENDED CFM CAPACITY
4"	4.00"	3.90"	2	35 – 400
5"	5.00"	4.90"	2	55 – 650
6"	6.00"	5.88"	4	80 – 950
7"	7.00"	6.87"	4	110 – 1300
8"	8.00"	7.87"	4	140 – 1700

MODEL SELECTION GUIDE

Model Number Coding = LO-flo/ABC-DEFG

LO-flo = PITOT TRAVERSE STATION

A = Station Configuration

C = Circular configurations

B = Internal Diameter

A = For 4" diameter

B = For 5" diameter

C = For 6" diameter

D = For 7" diameter

E = For 8" diameter

C = Probes

CT = Copper Tube

D = Materials of Construction

1 = Aluminum casing and straightener

E = Depth Dimension

1 = 8" depth

2 = 10" depth

F = Flange Construction

0 = Non-flanged (10" depth only E=2)

1 = 1" fusion welded flange (8" depth only E=1)

G = Process Connections

1 = 1/4" brass compression connection (default)

2 = 1/4" brass hose barb connection

