## VOLU-probe /1SS — INDUSTRIAL EXTERNALLY MOUNTED STAINLESS STEEL AIRFLOW TRAVERSE PROBE

## STANDARD CONSTRUCTION 1/2", 3/4", or 1" tube sensing manifolds, threaded end support, washer and nut, mounting plate, signal connection fittings, and identification tag, all fabricated of Type 316 stainless steel. Mounting. External duct mounted. Threaded end support for probes greater than 18" long. Mounting Gasket. Neoprene. 1/2" FPT stainless steel. Connection Fittings. Operating Temperature. Continuous operation to 900°F. PERFORMANCE SPECIFICATIONS Accuracy. 2-3%; dependent upon quantity and placement of probes to achieve traverse of ducted airflow. Outputs. Individually averaged signals of total and static pressure. Operating Velocity. 400-10,000 FPM. Not measurably affected by directional airflows and pitch and yaw angles up to 30°. **Directional Sensitivity.** Traverse Pattern. On an equal area basis for rectangular probes. On an equal concentric area basis for circular probes. Resistance. Less than 0.1 times the velocity pressure head at probe operating velocity. **OPTIONAL CONSTRUCTION** Connection Fitting. Signal Connection. **High Temperature Gaskets.** ☐ 1/4" Compression Cleanout ☐ Silicone; for continuous operation between 200°F and 400°F. ☐ 1/2" Compression ☐ Fiber; for continuous operation between 400°F and 900°F. **DIMENSIONAL SPECIFICATIONS** FORMED MOUNTING PLATES PROVIDED - A = DUCT I.D. -FOR CIRCULAR DUCTS (≤ 73" DIA.) NOMINAL PROBE LENGTH = A-.25" THREADED END SUPPORT W/SEALING WASHER AND NUT B = MANIFOLD DIA. T.P. SENSOR-T.P. CONNECTION FOR PROBES OVER **FITTING** 18" LONG. S.P. CONNECTION SPACER PLATES S.P. SENSOR **FITTING** DUCT WALL (AS REQUIRED)

END HOLE

**INSERTION HOLE** 

ø.31"

.38

() Ti

**O**SF

AIRFLOW I



.50'

(i) TP

(O) SP

AIRFLOW

MOUNTING

**PLATE** 

6" x 6"

6" x 6"

MOUNTING PLATE WITH GASKET PROVIDED

12-18

>18-24

>24-120

>120-240 1.00

.50

.50

.75

OPTIONAL SIGNAL

TAKEOFFS WITH CLEANOUT TEES

1.50

1.50

2.00

2.25 4.00

DIMENSIONAL CHART

2.50

2.50

4.00

NONE

.31

.38

.56