

## AIR FLOW MEASURING STATION

The Aerosense AMS air flow measuring station, when utilised with a differential pressure transmitter, provides an accurate, repeatable airflow signal for building automation and HVAC applications. Air velocity may be determined by the formula :

$$\Delta P = (V_{MAX.} / 4005)^2$$

WHERE ,

$\Delta P$  = DIFF. PRESSURE IN INCHES OF W.C.

$V_{MAX.}$  = MAXIMUM VELOCITY

Then flow rate may be determined by multiplying duct area with the velocity Flowing through the duct.

ACCURACY	: +/- 3%
TEMPERATURE	: Maximum operating, 350 deg f.
MAXIMUM DESIGNED FLOW	: 6000 feet per minute.
CASING	: CRCA duly powder coated.
PRESSURE SENSORS	: SS 304 duly buffed.
PRESSURE PORTS	: SS 304



### TECHNICAL DATA SHEET

S.NO.	DESCRIPTION	UNIT	DETAILS
1	Model : Aerosense AMS		
2	Temperature range	Deg. F	Max operating 400 deg F
3	Accuracy	Percentage	+/- 3%
4	Casing	MOC	CRCA DULY POWDER COATED
5	Pressure Sensors	MOC	SS 304 DULY BUFFED
6	Pressure Ports	MOC	SS 304 DULY BUFFED
7	Maximum Designed Flow	Ft. / min	6000 FPM

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