

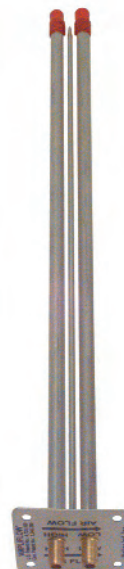
AMPLIFLOW AIR VELOCITY SENSOR AMP SERIES

DESCRIPTION

The **AMP Series Ampliflow Air Velocity Sensor** is designed to measure high- or low-velocity airflow in duct systems. The design of the **AMP Series** allows it to amplify the velocity pressure by a factor of three, which allows very low airflow velocities to be accurately measured. Sensing holes along the length of the tube yield an average velocity pressure reading for greater accuracy. The simple design of the **AMP Series** allows quick, easy installation in new or existing ductwork.

FEATURES

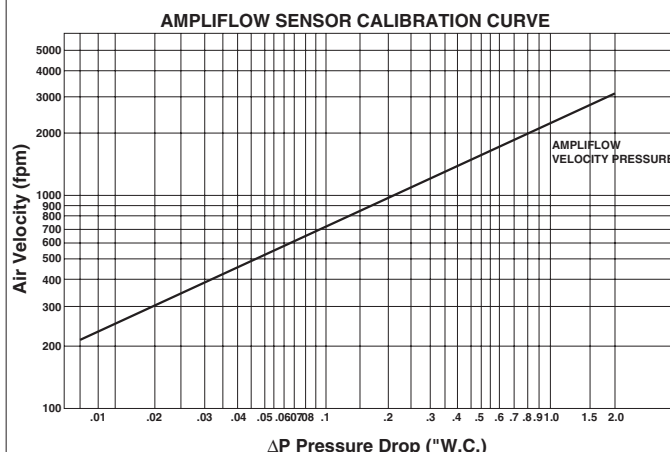
- *Multipoint readings for average velocity pressure*
- *Simple installation*
- *Rugged, extruded aluminum construction*
- *Double taps allow field check connections*
- *Three-to-one ratio pressure signals*
- *Adaptable to round, square, or oval ducts*
- *1/4" nipples for 3/8" OD tubing*
- *One-year warranty*



INSTALLATION

Mount the **AMP Series** at least three (10 is ideal) duct diameters downstream of coils, dampers, or elbows, and through the width of the duct for best results. Cut a hole 0.75"H x 0.88"W (1.9 x 2.3 cm) in the duct. Drill holes in the opposite side of the duct to allow the field pressure taps to protrude through the duct. Remove the rubber caps from the field pressure taps and insert the **AMP Series** into the duct so that the field pressure taps protrude. Attach the **AMP Series** to the duct with sheet metal screws and replace the rubber caps on the field pressure taps.

PERFORMANCE CHART



$$\text{Velocity (fpm)} = 2213 \sqrt{\Delta P}$$

$$\text{Velocity (mps)} = 11.242 \sqrt{\Delta P}$$

ORDERING INFORMATION

MODEL	DESCRIPTION
AMP	Ampliflow air velocity sensor
	WIDTH
XX	Duct width (up to 30")*

Note: The ampliflow will be constructed so that the field pressure taps in the end of the sensing tube protrude through the duct.

* Lengths 30" to 96" available by special order.

Provide field-constructed support for sensors >30".

Nailor Ind. U.S. Patent No. 4,735,100

M30/40, T30/T40
M264
XLdp

RELATED PRODUCTS
Modus differential pressure transmitter
Setra differential pressure transmitter
Ashcroft differential pressure transmitter