



AEROSENSE<sup>TM</sup>

SERIES KFGMS & CFGMS

## AEROSENSE AIR FLOW MEASURING STATION



KFGMS-R300X300



Aluminum Honeycomb Air Flow Straightener

Series KFGMS & CFGMS is Aerosense Air Flow Measuring Stations utilize an airflow averaging floaxis®. And it then converts velocity pressure or volumetric flow into analog outputs or modbus communication. For application which requires visual indication of velocity pressure or volumetric flow it can be ordered with integral display from ordering table.

### FEATURES:

- Low signal to noise ratio.
- Multiple total and static pressure sensing ports allows to use in highly turbulent conditions.
- Factory supplied with proportional Differential Pressure transmitter.
- Optional Honeycomb air flow straightener.
- Optional Dual Line DP Cum Flow Transmitter displays Velocity Pressure and Flow on a single unit.

### SPECIFICATIONS:

**Accuracy:**  $\pm 2\%$  of actual flow when installed in accordance with published recommendations  
**Output:** 4-20 mA or 0-10 VDC jumper selectable.  
 Optional MODBUS communication  
**Velocity Range:** 100-10000 FPM  
**Wetted Materials:**  
**Casing:** CRCA dully powder coated  
**Pressure Sensors:** K type: T3015 Aluminum;  
**C-Type:** SS 316 (refer ordering table)  
**Pressure Ports:** Brass  
**Straightener:** Aluminum  
**Temperature:** Maximum operating, 150 °C  
**Humidity:** 0 to 100% non-condensing.  
**Dimensions:** Flange: 1.5" ;Casing length: 10"

MODEL CHART					
Example	KFGMS	-3S	R		KFGMS-3S-R-2000X1400-MOD
Series	KFGMS CFGMS				Aerodynamically designed lightweight High Accurate Al. Floaxis®. SS 316 Floaxis®
Flow Straightener		2S 3S -			2" Honeycomb Straightener 3" Honeycomb Straightener No Honeycomb Straightener
Type			R C O		Rectangular (Height X Width) in mm Circular (Diameter) in mm Oval (Height X Width) in mm
Output			- AZ F FAZ MOD MOD-D		Field selectable Analog Output for Velocity Pressure. (Model: DPT250-R8-3W) Field selectable Analog Output for Velocity Pressure with Auto-Zero feature. (Model: DPT250-R8-3W-AZ) Displays velocity pressure and volumetric flow with analog output. (Model: DPT-Flow-1000-D) Displays Velocity Pressure & Volumetric Flow with analog output & Auto-Zero feature. (Model: DPT-Flow-1000-D-AZ) MODBUS communication for Velocity Pressure & Volumetric Flow.(Model: DPT-MOD-2500) Displays Velocity Pressure & Volumetric Flow with Modbus Communication. (Model: DPT-MOD-2500-D)

### Factory Supplied Controls

The Series KFGMS and CFGMS are supplied with Standard Differential Pressure Transmitter, Model: DPT250-R8-3W. Optional display, Flow & MODBUS DPT can be ordered from ordering table. Refer technical datasheet for more details on DPTs.



DPT-FLOW-1000-D