

## DIFFERENTIAL PRESSURE FLOW SENSORS SSS-1000 SERIES

### DESCRIPTION

The KMC Controls SSS-1000 Series airflow sensors sense differential pressure of VAV units and other locations in main or branch ducts, for velocity calculations. Four different lengths allow selection of the sensor to yield accurate readings on terminal box inlet diameters from 4" to 16" (10.2 to 40.6 cm).



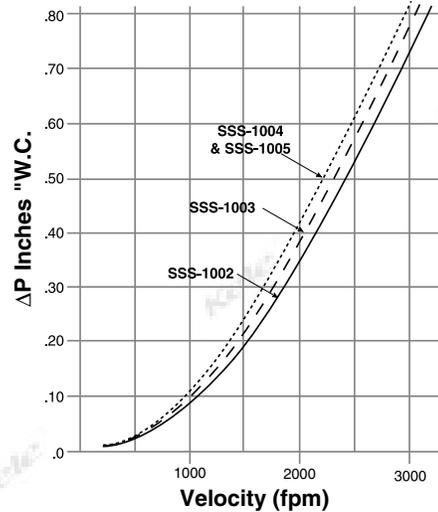
### SPECIFICATIONS

<b>Connections</b>	1/4" (6.4 mm) OD connections, fit 3/8" (9.5 mm) OD polyethylene tubing
<b>Operating Temperature</b>	40°F to 120°F (4°C to 49°C)
<b>Mounting</b>	Integral flange with foam gasket
<b>Length</b>	
<b>SSS-1002</b>	3.16" (8.0 cm) insertion (one sensing point)
<b>SSS-1003</b>	5.41" (13.7 cm) insertion (two sensing points)
<b>SSS-1004</b>	7.66" (19.4 cm) insertion (three sensing points)
<b>SSS-1005</b>	9.91" (25.2 cm) insertion (four sensing points)
<b>Material</b>	ABS/Polycarbonate, (UL 94-5V)
<b>Weight</b>	
<b>SSS-1002</b>	0.04 lb (0.02 kg)
<b>SSS-1003</b>	0.05 lb (0.02 kg)
<b>SSS-1004</b>	0.06 lb (0.03 kg)
<b>SSS-1005</b>	0.07 lb (0.03 kg)
<b>Approvals</b>	RoHS
<b>Warranty</b>	2 years

SSS-1004

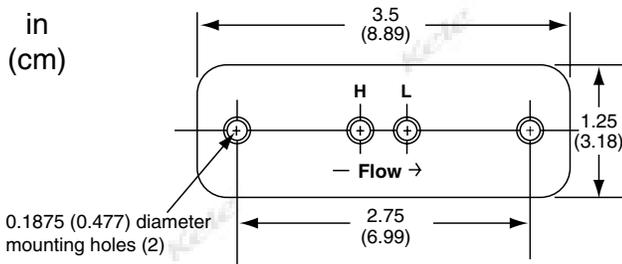
SSS-1002

### PERFORMANCE



SSS-1002 Velocity =  $3450 \sqrt{\Delta P}$   
 SSS-1003 Velocity =  $3300 \sqrt{\Delta P}$   
 SSS-1004 Velocity =  $3200 \sqrt{\Delta P}$   
 SSS-1005 Velocity =  $3200 \sqrt{\Delta P}$

### DIMENSIONS



Note: See specifications for insertion dimensions

### INSTALLATION

The SSS-1000 Series sensor requires a 7/8" (2.22 cm) diameter cutout for the insertion portion and two pilot holes for sheet metal screws or rivets to hold the flange against the ductwork. Sensors should be installed as level as possible to ensure accurate velocity pressure readings. Connect Hi & Low ports with 3/8" poly tubing to a separately purchased differential pressure transmitter (DPT).

### ORDERING INFORMATION

Model	Description
<b>SSS-1002</b>	Differential pressure flow sensor, 3.16" insertion
<b>SSS-1003</b>	Differential pressure flow sensor, 5.41" insertion
<b>SSS-1004</b>	Differential pressure flow sensor, 7.66" insertion
<b>SSS-1005</b>	Differential pressure flow sensor, 9.91" insertion

### ACCESSORIES

**B-265** Barb coupling, 3/8" OD tubing to 1/4" OD tubing

### RELATED PRODUCTS

**CX, RX, XLdp Series** Ashcroft differential pressure transmitters (DPT)  
**M264 Series** Setra differential pressure transmitter (DPT)  
**T-110** 3/8" OD black poly tubing, 1 coil, 250 ft (76 m)