SERIES MAFS

METAL AVERAGING FLOW SENSOR
Blade Profile Provides Enhanced Performance and Minimal Flow Disruption

The Series MAFS Metal Averaging Flow Sensor is ideal for use with Dwyer Instruments, Inc. precision air velocity gages, transmitters and switches. The Series MAFS uses evenly distributed total and static pressure measuring points to deliver an accurate measurement of velocity pressure in a duct.

FEATURES/BENEFITS
• Blade design limits disruption of air stream
• Lightweight aluminum construction
• Blade Profile Provides Enhanced Performance and Minimal Flow Disruption

APPLICATIONS
• VAV air flow measurement
• Fume hood exhaust flow verification
• HVAC retrofit air flow measurement

SPECIFICATIONS
Service: Clean air.
Wetted Materials: Aluminum AA6063.
Accuracy: 400 to 9000 FPM (45.7 m/s); ±2% FS, ±3% FS for 6" (160 mm) and 48" (1200 mm) length models.
K-Factor: 0.81, 0.80 for 6" (160 mm) and 48" (1200 mm) lengths, 4" (100 mm) length=0.82.
Maximum Temperature: 400°F (204°C); Gasket: -31 to 230°F (-35 to 110°C).
Minimum Design Flow: 400 fpm (2 m/s).
Maximum Design Flow: 12,000 fpm (60.91 m/s).
Process Connections: Dual barb for 3/16” or 1/4” ID tubing.
Straight Run Requirements: 5 diameters or longest side dimensions.
Agency Approvals: Meets the technical requirements of EU Directive 2011/65/EU (RoHS II).

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Probe Length (in)</th>
<th>Model</th>
<th>Probe Length (in)</th>
<th>Model</th>
<th>Probe Length (mm)</th>
<th>Model</th>
<th>Probe Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAFS-06</td>
<td>6</td>
<td>MAFS-26</td>
<td>26</td>
<td>MAFS-125MM</td>
<td>125</td>
<td>MAFS-550MM</td>
<td>550</td>
</tr>
<tr>
<td>MAFS-08</td>
<td>8</td>
<td>MAFS-28</td>
<td>28</td>
<td>MAFS-160MM</td>
<td>160</td>
<td>MAFS-600MM</td>
<td>600</td>
</tr>
<tr>
<td>MAFS-10</td>
<td>10</td>
<td>MAFS-30</td>
<td>30</td>
<td>MAFS-200MM</td>
<td>200</td>
<td>MAFS-650MM</td>
<td>650</td>
</tr>
<tr>
<td>MAFS-12</td>
<td>12</td>
<td>MAFS-32</td>
<td>32</td>
<td>MAFS-250MM</td>
<td>250</td>
<td>MAFS-750MM</td>
<td>750</td>
</tr>
<tr>
<td>MAFS-14</td>
<td>14</td>
<td>MAFS-34</td>
<td>34</td>
<td>MAFS-300MM</td>
<td>300</td>
<td>MAFS-800MM</td>
<td>800</td>
</tr>
<tr>
<td>MAFS-16</td>
<td>16</td>
<td>MAFS-36</td>
<td>36</td>
<td>MAFS-315MM</td>
<td>315</td>
<td>MAFS-1000MM</td>
<td>1000</td>
</tr>
<tr>
<td>MAFS-18</td>
<td>18</td>
<td>MAFS-40</td>
<td>40</td>
<td>MAFS-400MM</td>
<td>400</td>
<td>MAFS-1500MM</td>
<td>1500</td>
</tr>
</tbody>
</table>

SERIES PAFS-1000

AVERAGING FLOW SENSOR
Ideal for Sensing Fan Flow Rates

The SERIES PAFS-1000 Averaging Flow Sensor is ideal for sensing velocity pressure in the inlet section of variable air volume terminal units and fan terminal units.

FEATURES/BENEFITS
• Simple mounting flange works with both round or rectangular ducts

APPLICATIONS
• Zone control in HVAC systems
• Retrofit HVAC air flow measurement

SPECIFICATIONS
Service: Air and compatible gases.
Wetted Materials: ABS/polycarbonate (UL94-V5).
Temperature Limits: Operating: 40 to 120°F (4 to 49°C); Storage: -40 to 140°F (-40 to 60°C).
Process Connection: 1/4” (6 mm) ID, 3/8” (10 mm) OD tubing.
Mounting Orientation: Integral flange with gasket.
Weight: 1 oz (28 g).
Agency Approvals: Meets the technical requirements of EU Directive 2011/65/EU (RoHS II).

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Length (Dim. A) (in)</th>
<th>Model</th>
<th>Length (Dim. A) (in)</th>
<th>Model</th>
<th>Length (Dim. A) (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAFS-1002</td>
<td>3-5/32 (8.02)</td>
<td>PAFS-1007</td>
<td>14-3/4 (37.47)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PAFS-1003</td>
<td>5-13/32 (13.73)</td>
<td>PAFS-1008</td>
<td>17-1/8 (43.50)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PAFS-1004</td>
<td>7-21/32 (19.55)</td>
<td>PAFS-1009</td>
<td>19-13/32 (49.29)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PAFS-1005</td>
<td>9-29/32 (25.26)</td>
<td>PAFS-1010</td>
<td>21-21/32 (55.01)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PAFS-1006</td>
<td>12-1/2 (31.75)</td>
<td>PAFS-1011</td>
<td>23-29/32 (60.72)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>