**Series PFS Smart Air Velocity Transmitter** measures mass flow rate of air, nitrogen, or other non-combustible gases and delivers a linear 4 to 20 mA output signal. The smart electronics permit field configuration of flow range and full validation of calibration. Compensate for flow profile variations or specific application conditions with the K-Factor correction feature. Series PFS include user-adjustable high and low alarm outputs and adjustable time response to track flow fluctuations. View flow rate on units with built-in display. All parameters can be quickly programmed via three push buttons or RS-232 and the Windows™ 95 based software (sold separately).

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Range</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFS1300204</td>
<td>0 to 4000 SFPM</td>
<td>No</td>
</tr>
<tr>
<td>PFS1300210</td>
<td>0 to 10,000 SFPM</td>
<td>No</td>
</tr>
<tr>
<td>PFS1300215</td>
<td>0 to 15,000 SFPM</td>
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<tr>
<td>PFS1300241</td>
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<tr>
<td>PFS13002101</td>
<td>0 to 10,000 SFPM</td>
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<tr>
<td>PFS13002151</td>
<td>0 to 15,000 SFPM</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

**Service:** Air, nitrogen, or non-corrosive, non-combustible gases.

**Wetted Materials:** 304 SS probe, glass filled polyester sensor, epoxy, and ceramic.

**Accuracy:** ±1% FS.

**Repeatability:** ±0.2% full scale.

**Temperature Limits:** -40 to 250°F (-40 to 120°C).

**Pressure Limits:** 150 psig (10 bar) max.

**Power Requirements:** 18 to 30 VDC, 625 mA max.

**Output:** 4 to 20 mA linear, optical/galvanic isolated; proportional to point mass flow rate or velocity.

**Zero and Span Adjustment:** 50 to 100% FS.

**Response Time:** 0.1 seconds to 63% of final velocity value.

**Loop Resistance:** 700Ω max.

**Relay Rating:** Maximum 42 VAC/VDC, 140 mA.

**Electrical Connection:** 1/2˝ female NPT.

**Enclosure Rating:** NEMA 4X (IP65) powder-coated cast aluminum.

**Mounting:** 3/8˝ tube compression fitting (not included).

**Correction Factor Setting:** 0.5 to 2.

**Computer Requirements:** IBM compatible 386 or above and Windows® 95 or later with minimum 8 MB RAM (16 MB preferred) and one serial port.

**Weight:** 0.7 lb (0.30 kg).

**Agency Approvals:** CE.

**ACCESSORIES**

No. PFS60 Windows® Software and Connecting Cable

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