Micro-Flow Sensors
For Low Flow Water Applications

FP-5060 Series

- Measures Flow Rates as Low as 0.03 GPM, 0.11 LPM
- Splash-Proof
- All Plastic Construction

The FP-5060 Series micro-flow sensors are constructed of polyphenylene sulfide and have high material strength. The series offers two flow ranges, starting at 0.03 GPM, for clean process liquids, regardless of fluid color. These sensors can be connected to flexible tubing or rigid pipe and use standard hardware for mounting. Having only one moving part reduces their operating cost and maintenance requirements.

Specifications

Output Signal: Open collector NPN transistor, 10 mA maximum sink
Cable Length: 7.5 m (25')
Mounting: Horizontal surface ±30°
Linearity: ±1% of full range
Repeatability: 0.5% of full range
Maximum Viscosity: 20 cP
Pressure/Temperature: 0 to 80°C (32 to 176°F) @ 80 psi maximum
Wetted Materials:
- Sensor base, cover and rotor shaft: glass-filled polyphenylene sulfide
- Rotor: PEEK™, natural, unfilled
- Rotor O-ring: FKM
- Cover O-ring: FKM

Maximum Pressure Drop:
25 psi @ maximum flow
Power Requirements:
5 to 24 Vdc @ 10 mA maximum
Dimensions: 100 L x 81 W x 36 mm H (3.96 x 3.2 x 1.42")
Weight: 250 g (9.6 oz)

To Order

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Port Type</th>
<th>Flow Range LPM (GPM)</th>
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</thead>
<tbody>
<tr>
<td>FP-5061</td>
<td>¼ NPT</td>
<td>0.11 to 2.6 (0.03 to 0.7)</td>
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<tr>
<td>FP-5062</td>
<td>ISO 7/1-R¼</td>
<td>0.11 to 2.6 (0.03 to 0.7)</td>
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<tr>
<td>FP-5063</td>
<td>¼ NPT</td>
<td>1.13 to 12.11 (0.3 to 3.2)</td>
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</tbody>
</table>

Accessories

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Flow Range</th>
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<tbody>
<tr>
<td>DPF701</td>
<td>Rate or total panel meter, Visit omega.com/ for more details</td>
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</table>

Comes complete with operator’s manual, and 7.5 m (25’) of cable.
Ordering Examples: FP-5063, micro-flow sensor, 0.3 to 3.2 GPM,
FP-5061, micro-flow sensor, 0.03 to 0.7 GPM, and DPF701, meter.