

# MICRO-FLOW SENSORS

## For Low Flow Water Applications



FP-5061 shown larger than actual size.

### 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  $\pm 30^\circ$

**Linearity:**  $\pm 1\%$  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

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