

LOW FLOW SENSORS

FP-5600 and FP8500A Series



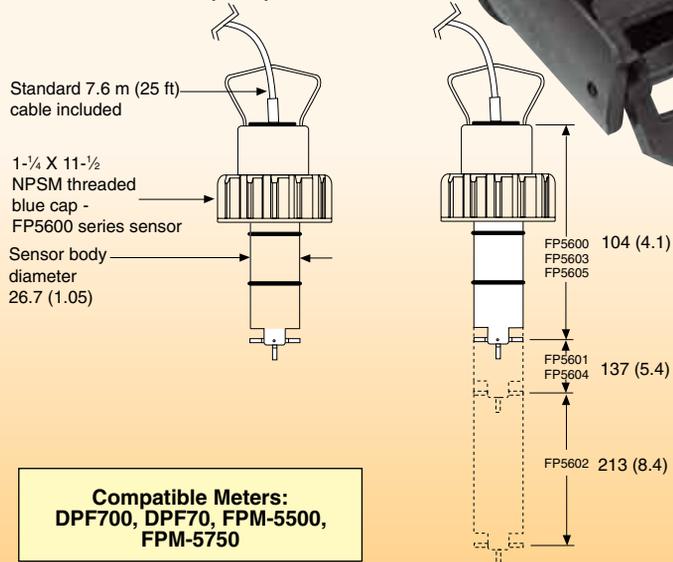
- ✓ High Resolution
- ✓ Low Power
- ✓ Flow Rates As Low As 0.3 fps
- ✓ Open Collector Output
- ✓ Very Low Pressure Drop

The FP-5600 and FP8500A Series low flow sensors are high resolution, low power devices ideal for measuring flow in piping systems with extremely low velocities. Utilizing insertion paddlewheel technology, these sensors are easy to install and maintain. They incorporate state-of-the-art, advanced Hall-effect design, allowing them to operate with a wide range of voltages and current supplies. The sensors have a wide flow range and reverse polarity protection. The insertion design easily adapts to a wide range of applications.



FP8501A sensor shown smaller than actual size.

Dimensions: mm (inch)



Compatible Meters:
DPF700, DPF70, FPM-5500, FPM-5750

SPECIFICATIONS

Output Signal: Open collector, sinking

Output Frequency:

15 Hz per fps nominal

Operating Range: 0.3 to 20 fps

Pressure/Temperature:

PP sensor housing: 180 psi @ 20°C (68°F), 25 psi @ 85°C (185°F)

PVDF sensor housing: 200 psi @ 20°C (68°F), 25 psi @ 85°C (185°F)

Power Requirements: 3.3 to 24 Vdc

<1.5 mA @ 3.3V to 6 Vdc,

<20 mA @ 6V to 24 Vdc

Pipe Size Range: 0.5 to 24"

Repeatability: ±0.5% of full range

Linearity: ±1% of full range

Materials: Refer to ordering information for material options available

O-rings: FKM

Cable Type: Twisted pair, foil shield with drain wire

Cable Length: 7.6 m (25') [300 m (1000') maximum]

Standard Mount Sensors (Threaded Cap)

To Order				
Model No.	Housing Material	Shaft Material	Rotor	Pipe Size (")
FP-5600	Polypropylene	Titanium	Black PVDF	0.5 to 4
FP-5601	Polypropylene	Titanium	Black PVDF	5 to 8
FP-5602	Polypropylene	Titanium	Black PVDF	10 or larger
FP-5603	Natural PVDF	Hastelloy C	Natural PVDF	0.5 to 4

Integral Sensor (Use with FP90 Transmitter and FP90IM Integral Mounting Kit)

Model No.	Housing Material	Shaft Material	Rotor	Pipe Size (")
FP8501A	Polypropylene	Titanium	Black PVDF	0.5 to 4
FP8502A	Polypropylene	Titanium	Black PVDF	5 to 8
FP8503A	Natural PVDF	Hastelloy C	Natural PVDF	0.5 to 4

Comes complete with operator's manual

Ordering Examples: FP-5600, low velocity paddlewheel sensor with polypropylene housing, titanium shaft and black PVDF rotor for 2" pipe.

FP-5603, low velocity paddlewheel sensor with PVDF housing, Hastelloy C shaft and PVDF rotor.