

ECONOMICAL FLOW RATE SENSORS

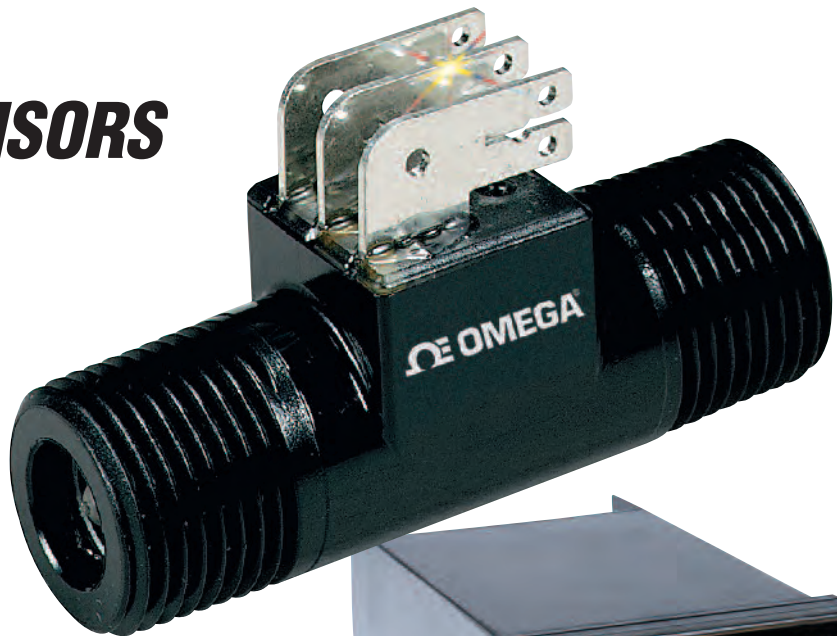
FTB2000 Series

\$105



- ✓ Low Cost
- ✓ High Accuracy (±3% of Reading)
- ✓ Measures Low Liquid Flow Rates of 0.13 to 7.9 GPM
- ✓ FDA-Approved Materials
- ✓ Lightweight Plastic Design Permits Mounting in Any Position

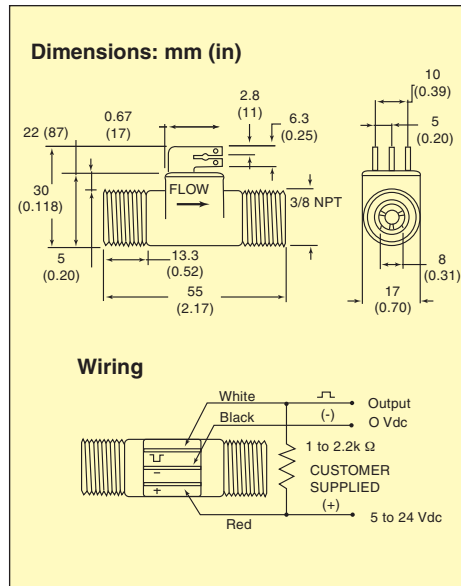
The FTB2000 Series hall-effect turbine flow rate sensors are ideal for OEM applications involving low-flow liquid monitoring. The low cost, coupled with 1/2% repeatability, makes it suitable for replacing dispensing timer systems. Unlike traditional timing systems, turbine technology is not influenced by changes in system pressure caused by aging filters. The sensor's standard power and output specifications make it easy to retrofit to existing controllers.



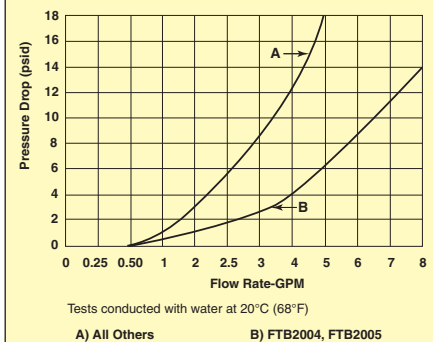
FTB2001, \$105, shown larger than actual size.



DPF700 Series compatible meter, \$260, shown smaller than actual size. Visit omega.com/dpf700



Pressure Drop—Typical



SPECIFICATIONS

Wetted Materials

Body: Nylon 12

Turbine: Nylon 12 composite

Accuracy: ±3% of reading

Repeatability: 0.5% FS

Bearings: PTFE/15% graphite

Operating Pressure: 200 psig

Operating Temperature:

-20 to 100°C (-4 to 212°F)

Viscosity: 32 to 81 SSU

(0.8 to 16 centistokes)

Filter: <50 microns

Input Power: 5 to 24 Vdc @ 8 mA

Output: NPN sinking open collector

@ 50 mA max (1 to 2.2 kΩ pull-up

resistor required) (Hz output)

Electrical Connection: Spade

terminals 2.8/6.3 x 0.8 mm

(0.110/0.248 x 0.031")

Inlet/Outlet Ports: 3/8 MNPT

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model No. Based on Desired Body Material and Port Size)

Model No.	Price	Flow Range		Pulses per		Frequency Output
		GPM	LPM	Gallon	Liter	
FTB2001	\$105	0.13 to 1.3	0.5 to 5	26100	6900	58 to 575 Hz
FTB2002	105	0.26 to 2.6	1 to 10	12500	3300	55 to 550 Hz
FTB2003	105	0.26 to 4.0	1 to 15	17400	4600	76 to 1150 Hz
FTB2004	105	0.26 to 4.0	1 to 15	8300	2200	37 to 550 Hz
FTB2005	105	0.53 to 7.9	2 to 30	3800	1000	33 to 500 Hz

Accessories

Model No.	Price	Description
FTB173941	\$28	Mating connector with 9 m (3'), 3-conductor, PVC pigtail leads
FTB173942	36	Mating connector with 3 m (10'), 3-conductor, PVC pigtail leads

Comes complete with operator's manual.

Ordering Example: FTB2002, turbine meter, plus FTB173942, mating connector with 3 m (10') cable, \$105 + 36 = \$141.



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1-800-TC-OMEGA
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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

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• Pressure, Strain and Force

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters