ECONOMICAL FLOW RATE SENSORS





- 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.

SPECIFICATIONS Wetted Materials

Accuracy: ±3% of reading Repeatability: 0.5% FS Body: Nylon 12 Turbine: Nylon 12 composite 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 k Ω pull-up resistor required) (Hz output) Electrical Connection: Spade terminals 2.8/6.3 x 0.8 mm (0.110/.248 x 0.031") Inlet/Outlet Ports: % MNPT

FTB2001, \$86, shown larger than actual size.

Technical

Books

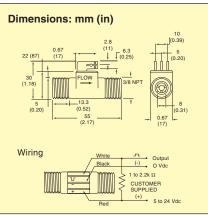
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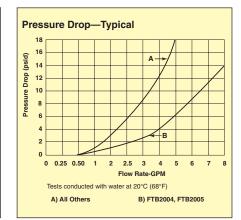
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Available 🌹

DPF701 Series compatible meter, \$260, shown smaller than actual size. See page M-12.





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To Order (Specify Model No. Based on Desired Body Material and Port Size)								
% NPT		Flow Range		Pulses per		Frequency		
Model No.	Price	GPM	LPM	Gallon	Liter	Output		
FTB2001	\$86	0.13 to 1.3	0.5 to 5	26100	6900	58 to 575 Hz		
FTB2002	86	0.26 to 2.6	1 to 10	12500	3300	55 to 550 Hz		
FTB2003	86	0.26 to 4.0	1 to 15	17400	4600	76 to 1150 Hz		
FTB2004	86	0.26 to 4.0	1 to 15	8300	2200	37 to 550 Hz		
FTB2005	86	0.53 to 7.9	2 to 30	3800	1000	33 to 500 Hz		

Accessories

Model No.	Price	Description
FTB173941	\$23	Mating connector with 9 m (3'), 3-conductor, PVC pigtail leads
FTB173942	29	Mating connector with 3 m (10'), 3-conductor, PVC pigtail leads

Comes with complete operator's manual. Ordering Example: FTB2002, turbine meter, plus FTB173942, mating connector with 3 m (10') cable, \$86 + 29 = \$115.

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