

ECONOMICAL FLOW RATE SENSORS

FTB2000 Series



- ✓ 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 ½% 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

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 maximum (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: ¾ MNPT

Cable: 1 m (3') (-C models)

Both shown larger than actual size.



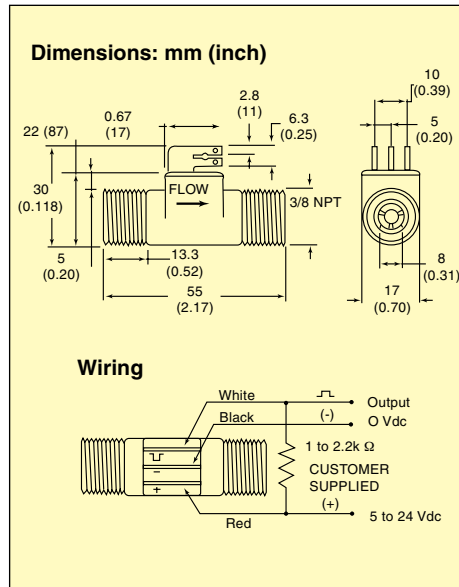
FTB2001



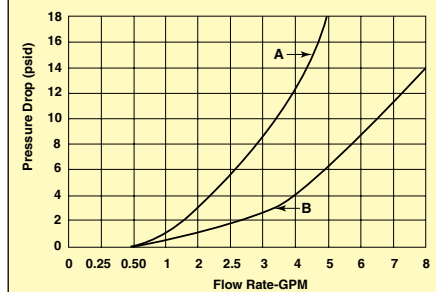
FTB2001-C



DPF700 Series compatible meter, shown smaller than actual size.



Pressure Drop—Typical



To Order

¾ NPT		Flow Range		Pulses per		Frequency Output
Model No.	Model No.	GPM	LPM	Gallon	Liter	
FTB2001	FTB2001-C	0.13 to 1.3	0.5 to 5	26200	6900	58 to 575 Hz
FTB2002	FTB2002-C	0.26 to 2.7	1 to 10	12500	3300	55 to 550 Hz
FTB2003	FTB2003-C	0.13 to 2.0	0.5 to 7.5	17400	4600	38 to 575 Hz
FTB2004	FTB2004-C	0.26 to 4.0	1 to 15	8300	2200	37 to 550 Hz
FTB2005	FTB2005-C	0.26 to 6.6	1 to 25	3800	1000	16.7 to 416 Hz
FTB2006	FTB2006-C	0.53 to 9.2	2 to 35	2840	750	25 to 437 Hz

Accessories (For units without integral cable)

Model No.	Description
FTB173941	Mating connector with 0.9 m (3'), 3-conductor, PVC pigtail leads
FTB173942	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.