

MICRO-FLOW METER

FTB300 Series



- ✓ NEMA 4X (IP56) Enclosure
- ✓ For Clean Liquids

The FTB300 Series of digital paddle wheels are an economical choice for low flow rate applications. They use Infra-red light beam technology. Available connections include 1/8 FNPT, 1/4 FNPT and 3/8" OD tube fittings. Six available flow ranges as low as 30 mL/min to 7000 mL/min. Models without a display have a 5 Vdc current sinking pulse output.

All units include an open collector alarm output.

Units have a PVDF chemical resistant lens. The enclosure is weather resistant Valox® PBT and is rated NEMA 4X (IP56).



FTB321D shown smaller than actual size.

SPECIFICATIONS

Maximum Working Pressure:

PVDF Lens

150 psig (10 bar) @ 21°C (70°F)

Maximum Fluid Temperature:

PVDF Lens Tubing Connectors:

93°C (200°F) at 0 psi

Accuracy: ±6% FS

Power: 120 Vac (transformer prewired)

Sensor Type: Infrared light beam

Alarm Output: Open collector 30 Vdc maximum

Enclosure: NEMA 4X (IP56)

Shipping Wt: 0.45 kg (1 lb)

Materials of Construction

Body, Paddle, Axle Material: PVDF

Connector Material

Tubing Connectors: PVDF

Viewing Lens Material Opaque Chemical

Resistant: PVDF

O-Ring Seals: FKM (EPDM optional)

Compression Seal to Pump: PVC

Sensor Only

Models: 5 Vdc digital square wave (2-wire)

Output: 3-wire shielded cable, 1.8 m (6')

To Order				
Sensor Model No. (no display)			Range	
1/8 FNPT	1/4 FNPT	3/8" OD Tube	L/min	GPH
FTB311	FTB321	FTB331	0.03 to 0.3	0.48 to 4.7
FTB312	FTB322	FTB332	0.1 to 1	1.6 to 15.8
FTB313	FTB323	FTB333	0.2 to 2	3.2 to 31.7
FTB314	FTB324	FTB334	0.3 to 3	4.8 to 48
FTB315	FTB325	FTB335	0.5 to 5	7.9 to 79
FTB316	FTB326	FTB336	0.7 to 7	11.1 to 111

Comes complete with inlet strainer and operator's manual.

For EPDM O-rings add suffix "-EPDM" to model number, no additional charge.

For European style power supply (220V50Hz) add suffix, "-EU" to model number, for additional cost.

For US 230V 60 Hz power supply, add suffix "-230V" to model number, for additional cost.

Ordering Examples: FTB323D, micro-flow meter, 0.2 to 2 L/min range, 1/4 FNPT connections. FTB331D, micro-flow meter, 0.03 to 0.3 L/min range, 3/8" OD tube connections.