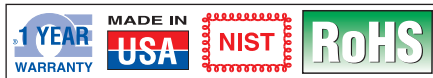


ECONOMICAL BALL-BEARING LIQUID TURBINE FLOWMETERS

With Male NPT Ports

FTB-900 Series Starts at

\$1060



- ✓ ±0.5% of Reading Accuracy
- ✓ Economical Ball-Bearing Design
- ✓ 440C Bearing Retainers for Durability
- ✓ Ball Bearings are Field Replaceable Without Loss of Calibration
- ✓ Deflector Cones Stabilize Low-Mass Rotor for Increased Bearing Life
- ✓ NIST Certificate Supplied Standard

OMEGA® FTB-900 Series turbine meters have male NPT end fittings for easy connections. These units come with a mating 2-wire connector and can be ordered with FLSC-60 Series integrally mounted signal conditioners to provide 4 to 20 mA, 0 to 5 Vdc, or amplified pulse outputs.

These turbine meters are intended for clean fluid service only; when there is any question about the cleanliness of the process fluid, strainers are recommended. In addition, when using these units for fluids with viscosities other than 1 centistoke, special calibrations and universal viscosity curves are available—consult OMEGA's Flow Engineering Department.

FTB-909 turbine, \$1335, shown with FLSC-61 signal conditioner, \$431, see page F-52.



SPECIFICATIONS

Accuracy: ±0.5% rdg
Repeatability: ±0.05%
Materials of Construction:
Body: 304 SS
Rotor: 17-4 PH SS
Bearings: 440C SS
Output: 30 mV p-p sine wave minimum
Electrical: 2-wire connector included
Maximum Pressure Drop: 4 psid
Temperature Range: -268 to 232°C (-450 to 450°F)

Compatible Meters: DPF701 (page M-5), DPF402 (page M-11), DPF70 (page M-22), DPF11 (page M-23), FC21, 22 (page M-27)

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Linear Range Water LPM (GPM)	Nominal K Factor	Maximum Operating Pressure (psi)	Length mm (in)	End Connections MNPT	Approx. Wt. kg (lb)
FTB-901B	\$1060	1.9 to 9.5 (0.5 to 2.5)	15,000	5000	76 (3)	½	0.4 (1)
FTB-902	1060	2.8 to 19 (0.75 to 5)	6000	5000	76 (3)	½	0.4 (1)
FTB-903	1060	4.7 to 36 (1.25 to 9.5)	3160	5000	76 (3)	½	0.4 (1)
FTB-904	1060	6.62 to 61 (1.75 to 16)	1875	5000	76 (3)	½	0.4 (1)
FTB-905	1060	9.5 to 110 (2.5 to 29)	1035	5000	81 (3.25)	¾	0.4 (1)
FTB-906	1065	15 to 227 (4 to 60)	500	4000	89 (3.50)	1	0.9 (2)
FTB-907	1096	23 to 352 (6 to 93)	322	3000	99 (3.88)	1¼	0.9 (2)
FTB-908	1205	30 to 492 (8 to 130)	230	2000	111 (4.38)	1½	1.4 (3)
FTB-909	1335	57 to 852 (15 to 225)	133	1500	121 (4.75)	2	1.8 (4)
FTB-910	1550	95 to 1514 (25 to 400)	75	1500	154 (6.06)	2½	2.3 (5)
FTB-911	1997	117 to 2460 (40 to 650)	46.1	1000	254 (10)	3	3.2 (7)

Comes complete with operator's manual and NIST certificate. Calibration is for water; for other viscosities please contact Flow Engineering Department.
Ordering Examples: To order a scaled system including signal conditioner and turbine meter with MNPT end fittings, specify model number **SYS/FTB-901B/FLSC-61**, ball-bearing flowmeter with 0.5 to 2.5 gallon per minute range, plus 3-wire analog transmitter signal conditioner, \$1060 + 431 = \$1491.
SYS/FTB-904/FLSC-62A, ball-bearing flowmeter with 1.75 to 16 gallon per minute range, plus 2-wire analog transmitter signal conditioner, \$1060 + 431 = \$1491.



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• Temperature

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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

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• 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