

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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• Flow and Level

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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