

ECONOMICAL BALLBEARING LIQUID TURBINE FLOWMETERS

With Male 37° Flare Ports

FTB-950 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-950 Series turbine meters have male flared end fittings for easy connections. They are built to meet the performance requirements of MS 33656, though they do not carry a military specification. These units come with a mating 2-wire connector and can be ordered with integrally mounted FLSC Series 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 doubt about the possible presence of particles, 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-952, \$1060, shown smaller than actual size.

SPECIFICATIONS

Accuracy: ±0.5% rdg
Repeatability: ±0.05%
Materials of Construction:
Body: 304 SS
Rotor: 17-4 PH SS
Bearings: 440 C SS
Output: 30 mV p-p sine wave minimum
Electrical: 2-wire connector (included)
Maximum Pressure Drop: 4 psid
Temp Range: -268 to 232°C (-450 to 450°F);
 -268 to 65°C (-450 to 150°F) for FTB-951T

Compatible Meters:
 DPF701 (page M-5)
 DPF402 (page M-11)
 DPF70 with FLSC-AMP (page M-22)
 DPF10 (page M-23)
 FC21, 22 (page M-27)
 Also FLSC-60 Series (see page F-52)

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	Approx. Weight g (oz)
FTB-951B	\$1060	1.9 to 9.5 (0.5 to 2.5)	15,000	5000	65 (2.56)	¾-16UNJF-3A	170 (6)
FTB-952	1060	2.8 to 19 (0.75 to 5)	6000	5000	65 (2.56)	¾-16UNJF-3A	170 (6)
FTB-953	1060	4.7 to 36 (1.25 to 9.5)	3160	5000	65 (2.56)	¾-16UNJF-3A	170 (6)
FTB-954	1060	6.62 to 61 (1.75 to 16)	1875	5000	70 (2.75)	7/8-14UNJF-A	340 (12)
FTB-955	1060	9.5 to 110 (2.5 to 29)	1035	5000	81 (3.25)	1 1/16-12UNJ-3A	340 (12)
FTB-956	1065	15 to 227 (4 to 60)	500	4000	89 (3.25)	1 5/16-12UNJ-3A	624 (22)
FTB-957	1096	23 to 352 (6 to 93)	322	3000	99 (3.25)	1 5/8-12UNJ-3A	794 (28)
FTB-958	1205	30 to 492 (8 to 130)	230	2000	111 (4.38)	1 7/8-12UNJ-3A	1.05K (37)
FTB-959	1335	57 to 852 (15 to 225)	133	1500	121 (4.38)	2 1/2-12UNJ-3A	1.36K (48)

Comes complete with mating connector, operator's manual and NIST certificate.

Ordering Examples: To order a scaled system that includes signal conditioner and turbine meter with flared end fittings, specify model number **SYS/FTB-951B/FLSC-61**, FTB-951B flowmeter with 0.5 to 2.5 GPM range, and **FLSC-61**, 0 to 5V/10V signal conditioner, \$1060 + 431 = **\$1491**.
SYS/FTB-957/FLSC-64, FTB-957 flowmeter with 6 to 93 GPM range, and **FLSC-64** amplified squarewave signal conditioner, \$1096 + 271 = **\$1367**.

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• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

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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