

# 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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