

LOW FLOW TURBINE METERS

FTB9500 Series
Starts at

\$1074



- ✓ Up to 0.5% Rate Accuracy
- ✓ 5000 psig Rated
- ✓ For Flows Down to 23 cc/min (0.006 GPM)
- ✓ Ball Bearings Are Field Replaceable Without Loss of Calibration
- ✓ Includes 20-Point NIST Certification for Water

FTB9500 Series low flowmeters offer extremely accurate low flow measurement of liquids. They utilize a Pelton wheel-like rotor whose motion is converted by a pickup coil into a frequency output that is proportional to flow.

These units are supplied with a mating 2-wire connector and can be supplied with FLSC-60 series integrally mounted signal conditioners to provide 4 to 20 mA, 0 to 5 V, or amplified pulse outputs.

The output of the FTB9500 Series low flowmeters is **non-linear** and requires the use of a linearizing digital indicator such as OMEGA's DPF-311-LIN Series indicators (see page M-26). These turbine meters are intended for clean fluid service only; where there is any doubt as to the purity of the process fluid, strainers are recommended. In addition, when using these units for fluids with viscosities other than 1 centistoke, special calibrations are available—consult OMEGA's Flow Engineering Department.

SPECIFICATIONS

Accuracy: ±0.5% of reading with linearization

Repeatability: ±0.25% or reading

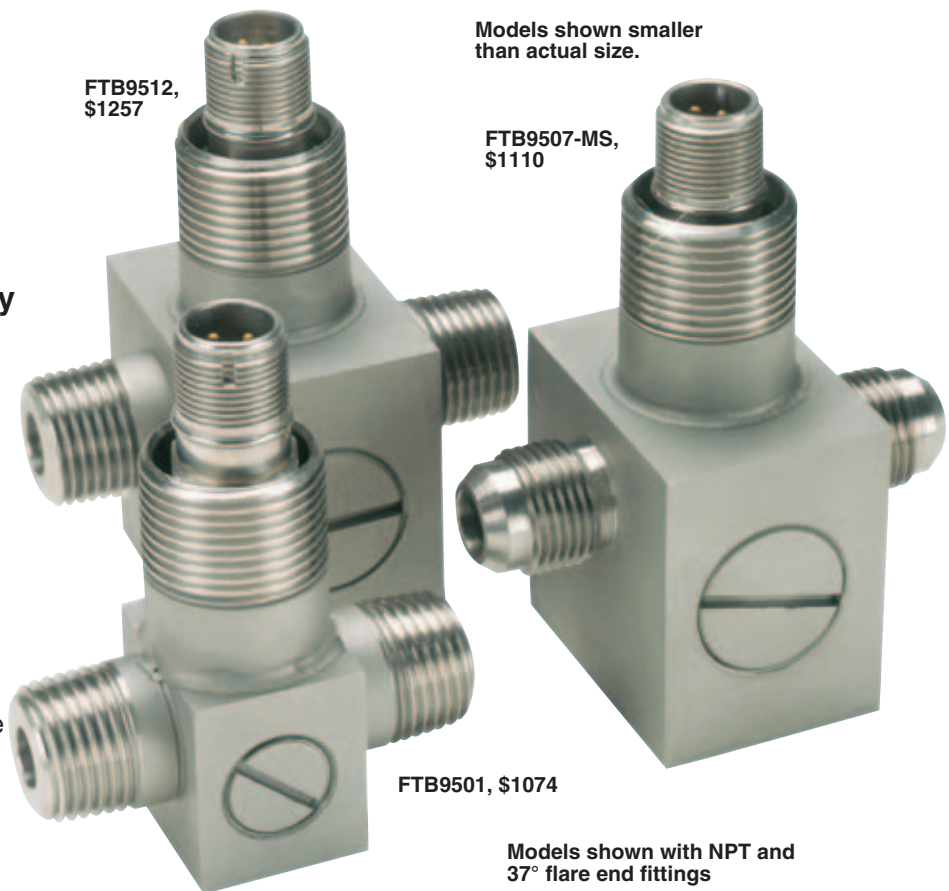
Fluid Temperature Range:
-268 to 232°C (-450 to 450°F)

Materials of Construction: 304 SS housing, 440C SS ball bearings, 17.4 PH SS rotor, and FKM seals

Weight:

FTB9501 to FTB9508: 454 g (1 lb)

FTB9509 to FTB9512: 907 g (2 lb)



FTB9512,
\$1257

Models shown smaller
than actual size.

FTB9507-MS,
\$1110

FTB9501, \$1074

Models shown with NPT and
37° flare end fittings

For FLSC-64 series of signal conditioners,
see page F-52 for details.

Connections: ½ MNPT std;
½" 37 degree flare optional

Max Pressure Drop (at 1 CK): 10 psid

Max Pressure: 5000 psig (std)

Output: Non-linear sinewave

Compatible Meters:
DPF-311-LIN (page M-26), FC21 (page M-27)
with FLSC-AMP or FLSC-64 (page F-52)

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)				
Model No.	Price	Flow Range*		Freq Range* Min/Max (Hz)
		cc/min	GPM	
FTB9501	\$1074	23 to 175	0.006 to 0.046	40 to 650
FTB9502	1074	25 to 350	0.007 to 0.092	40 to 1050
FTB9503	1074	40 to 700	0.011 to 0.185	40 to 1200
FTB9504	1074	50 to 1000	0.013 to 0.264	40 to 1300
FTB9505	1074	65 to 1400	0.017 to 0.370	40 to 1590
FTB9506	1074	77 to 1900	0.020 to 0.501	40 to 1900
FTB9507	1074	125 to 2300	0.030 to 0.650	40 to 780
FTB9508	1074	150 to 2600	0.040 to 0.686	40 to 800
FTB9509	1257	175 to 3500	0.046 to 0.924	40 to 900
FTB9510	1257	275 to 5000	0.073 to 1.32	40 to 1000
FTB9511	1257	400 to 8000	0.106 to 2.11	40 to 1050
FTB9512	1257	500 to 10,000	0.132 to 2.64	40 to 1100

Comes complete with operator's manual and NIST certificate*.

* **Approximate:** 20-point calibration supplied with each unit. Calibrated for water. For fluids of different viscosities, please consult OMEGA's Flow Engineering Department.

For units with 37° Flare fittings, add suffix "MS" to model number, and \$36 to the price.

Ordering Examples: FTB9503-MS, flowmeter with 40 to 700 cc/min range, and male 37° flare ports, \$1074 + 36 = \$1110.

FTB9510, flowmeter with 275 to 5000 cc/min range, \$1257.



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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