

# TURBINE METERS

## For Water Totalization

FTB-4100A Series  
Starts at

**\$105**



For remote rate indication for units with high-frequency pulse output, see FTB4600 Series, on page F-72.

FTB-4105A, \$105, shown smaller than actual size.

- ✓ For Water Flows from 0.13 to 132 GPM
- ✓ Scaled Pulse Output Available for Remote Totalization
- ✓ For Hot or Cold Water Applications
- ✓ Up to ±1.5% Rdg Accuracy

Designed for water billing applications, OMEGA's FTB-4100A flowmeters are highly accurate and feature tamper-resistant, non-resettable totalizers. The large faces are easy to read.

Optional reed relay scaled pulse outputs allow for remote totalization [1.8 m (6') of cable included]. The pulse output option is factory installed and must be requested at the time of order.

All FTB flowmeters feature built-in strainers and trickle flow indication and come with locking nuts and coupling pieces.

### SPECIFICATIONS

**Accuracy:** From 10% of continuous to max flow: ±1.5% of reading; below 10% of continuous flow: ±2% of reading

**Power for Pulse Output:** 6 to 16 Vdc

**Max Temp:** 90°C (200°F)

**Max Pressure:** 150 psi

**Pulse Outputs (Reed Relay):**

**FTB-4100A-P Series:** 1 gal/pulse (for remote totalization)

**Max Reading (Gallons):** 10 million for ½ and ¾"; 100 million for 1, 1¼, and 1½"

**Wetted Parts:** Brass body, stainless steel polyimide (fiberglass), polypropylene, EPDM O-ring

**Installation Requirements:** 10 pipe diameters upstream, 5 downstream

**Mounting:** Horizontal mounting required for 1, 1¼, and 1½" models; vertical mounting for ½ and ¾" sizes only

**Compatible Meter:** DPF70 (see page M-22 for details)

### MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)											
Model No.	Price	Flow Rate (GPM)			Connector	Lay Length mm (in)	Height mm (in)	Width mm (in)	Pressure Drop (psi)*	Weight kg (lb)	Max Temp °C (°F)
		Min	Cont.	Max							
FTB-4105A	\$105	0.13	6.6	13.0	½ MNPT	246 (9.7)	69.9 (2.75)	69.9 (2.75)	3.6	0.5 (1.1)	93.3 (200)
FTB-4105A-P	180	0.13	6.6	13.0	½ MNPT	246 (9.7)	69.9 (2.75)	69.9 (2.75)	3.6	0.5 (1.1)	93.3 (200)
FTB-4107A	109	0.22	11.0	20.0	¾ MNPT	257 (10.1)	77.0 (3.03)	69.9 (2.75)	3.6	0.6 (1.4)	93.3 (200)
FTB-4107A-P	195	0.22	11.0	20.0	¾ MNPT	257 (10.1)	77.0 (3.03)	69.9 (2.75)	3.6	0.6 (1.4)	93.3 (200)
FTB-4110A	229	0.5	26.4	50.0	1 MNPT	394 (15.5)	140.0 (5.51)	91.9 (3.62)	3.6	2.5 (5.5)	93.3 (200)
FTB-4112A	277	0.5	26.4	50.0	1¼ MNPT	394 (15.5)	140.0 (5.51)	91.9 (3.62)	3.6	2.5 (5.5)	93.3 (200)
FTB-4115A	484	0.8	44.0	90.0	1½ MNPT	447 (17.6)	140.0 (5.51)	119.9 (4.72)	3.6	5.5 (12.0)	93.3 (200)
FTB-4120A	922	1.3	66.0	132.0	2" flange ANSI 150#	200 (7.9)	226.1 (8.90)	154.9 (6.10)	2.9	12.3 (27.0)	90.0 (194)
FTB-4120A-P	1042	1.3	66.0	132.0	2" flange ANSI 150#	200 (7.9)	226.1 (8.90)	154.9 (6.10)	2.9	12.3 (27.0)	90.0 (194)

Models with suffix "P" have a reed relay pulse output, for remote totalization. ½" to 1½" units have NPT connections; the 2" meters have flange connections.

\* Pressure loss is at continuous flow rate.

Comes complete with operator's manual.

**Ordering Examples:** FTB-4105A-P, pulse output meter with range of 0.13 to 13.0 GPM, \$180.

FTB-4115A, pulse output meter with range of 0.8 to 90.0 GPM, \$484.

# omega.co.uk<sup>®</sup>

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

[www.omega.co.uk](http://www.omega.co.uk)



#### UNITED STATES

[www.omega.com](http://www.omega.com)

1-800-TC-OMEGA  
Stamford, CT.

#### UNITED KINGDOM

[www.omega.co.uk](http://www.omega.co.uk)

Manchester, England  
0800-488-488  
+44-(0)161-777-6611

#### CANADA

[www.omega.ca](http://www.omega.ca)

Laval(Quebec)  
1-800-TC-OMEGA

#### FRANCE

[www.omega.fr](http://www.omega.fr)

0800-466-342

#### GERMANY

[www.omega.de](http://www.omega.de)

Deckenfronn, Germany  
0800-8266342

#### BENELUX

[www.omega.nl](http://www.omega.nl)

0800-099-33-44



## More than 100,000 Products Available!

### • Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

### • 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

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet 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, Pressure Transmitters, Strain Gauges, 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