**TURBINE METERS** 

For Water Totalization

FTB-4105A





For remote rate indication for units with high-frequency pulse output.

FTB-4105A 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% of Reading 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 maximum flow: ±1.5% of reading; below 10% of continuous flow: ±2% of reading

Power for Pulse Output: 6 to 16 Vdc Maximum Temp: 90°C (200°F) Maximum Pressure: 150 psi Pulse Outputs (Reed Relay):

FTB-4100A-P Series: 1 gal/pulse (for remote totalization only) Maximum Reading (Gallons): 10 million for ½ and ¾"; 100

million for 1, 14, and 11/2"

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

To Order											
	Flow Rate (GPM)			Conn.	Body Length	NPT Length	Height	Width	Press.	Weight	Max Temp
Model No.	Min	Cont.	Max	MNPT	mm (inch)	mm (inch)	mm (inch)	mm (inch)	Drop*	kg (lb)	°C (°F)
FTB-4105A	0.13	6.6	13	1/2	110 (4.33)	60 (2.36)	70 (2.75)	70 (2.75)	3.6	0.5 (1.1)	93 (200)
FTB-4105A-P	0.13	6.6	13	1/2	110 (4.33)	60 (2.36)	70 (2.75)	70 (2.75)	3.6	0.5 (1.1)	93 (200)
FTB-4107A	0.22	11	20	3/4	130 (5.12)	63 (2.48)	77 (3.03)	70 (2.75)	3.6	0.6 (1.4)	93 (200)
FTB-4107A-P	0.22	11	20	3/4	130 (5.12)	63 (2.48)	77 (3.03)	70 (2.75)	3.6	0.6 (1.4)	93 (200)
FTB-4110A	0.5	26.4	50.0	1	260 (10.24)	67 (2.64)	140 (5.51)	92 (3.62)	3.6	2.5 (5.5)	93 (200)
FTB-4110A-P	0.5	26.4	50.0	1	260 (10.24)	67 (2.64)	140 (5.51)	92 (3.62)	3.6	2.5 (5.5)	93 (200)
FTB-4112A	0.5	26.4	50.0	<b>1</b> ½	260 (10.24)	73 (2.87)	140 (5.51)	92 (3.62)	3.6	2.5 (5.5)	93 (200)
FTB-4112A-P	0.5	26.4	50.0	<b>1</b> ½	260 (10.24)	73 (2.87)	140 (5.51)	92 (3.62)	3.6	2.5 (5.5)	93 (200)
FTB-4115A	0.8	44.0	90.0	11/2	300 (11.81)	73 (2.87)	140 (5.51)	120 (4.72)	3.6	5.4 (12.0)	93 (200)
FTB-4115A-P	0.8	44.0	90.0	11/2	300 (11.81)	73 (2.87)	140 (5.51)	120 (4.72)	3.6	5.4 (12.0)	93 (200)
FTB-4120A	1.3	66.0	132.0	2	270 (10.63)	ANSI 150#	226 (8.90)	155 (6.10)	2.9	12.4 (27.0)	90 (194)
FTB-4120A-P	1.3	66.0	132.0	2	270 (10.63)	Flange	226 (8.90)	155 (6.10)	2.9	12.4 (27.0)	90 (194)

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

Ordering Examples: FTB-4105A-P, pulse output meter with minimum flow rate of 0.13 GPM and maximum flow rate of 13.0 GPM, maximum water temperature 90°C (200°F).

FTB-4115A, pulse output meter with minimum flow rate of 0.8 GPM and maximum flow rate of 90.0 GPM, maximum water temperature 93°C (200°F).

<sup>\*</sup> Pressure loss is at continuous flow rate. \*\* Consult Flow Engineering Department. Comes with complete operator's manual.