

# LOW-FLOW LIQUID FLOWMETERS



FTB4705 shown smaller than actual size.



FTB4805 shown smaller than actual size.

## FTB4700 Series



- ✓ Square-Wave Output
- ✓ One Moving Part
- ✓ Rugged, Nickel-Plated Brass Body or 316 SS

The FTB4700 Series comprises plated brass meters that are ideal for water applications, with ranges from 0.2 to 18 GPM. The FTB4800 covers a wide flow range and is housed in a rugged stainless steel package. Single-jet simplicity, combined with high-quality jewel bearings, results in long life and relatively high tolerance to harsh fluids. Typical applications include chemical batching, proportional chemical injection, fertilizer injection, proportioning of spray chemicals, and general flow rate monitoring.

The FTB4700 is available with ½ and ¾" threads, with union-type meter couplings. The FTB4800 is available with ½, ¾ and 1" threads. A square-wave output makes these meters ideal for many OEM control applications. This signal interfaces easily with programmable logic controllers and computer input boards. The FTB4700 or FTB4800 Series meters can be combined with the DPF701-A panel flow meter for reading flow rate or total flow, with 4 to 20 mA output.

### SPECIFICATIONS

**Accuracy:** ±1% FS  
**Maximum Temperature:**  
 FTB4700: 85°C (185°F)  
 FTB4800: 93°C (200°F)  
**Maximum Pressure:**  
 FTB4700: 12 bar (175 psi)  
 FTB4800: 35 bar (500 psi)  
**Output:** Squarewave  
**Power:**  
 FTB4700: 5 to 30 Vdc  
 FTB4800: 6 to 24 Vdc  
**Maximum Current:** 20 mA

### Cable:

**FTB4700:** #22 AWG 3-conductor, 3.7 m (12')

**FTB4800:** #22 AWG 3-conductor, 5.5 m (18')

**Maximum Cable Run:** 610 m (2000')

**Maximum Pressure Drop:** 15 psig

### Dimensions: mm (inch)

Model No.	Overall Length	Height	Width
FTB4705	254 (10.0)	40 (1.56)	69 (2.7)
FTB4707	259 (10.2)	40 (1.56)	69 (2.7)
FTB4805	104 (4.1)	51 (2.0)	51 (2.0)
FTB4807	104 (4.1)	51 (2.0)	51 (2.0)
FTB4810	127 (5.0)	51 (2.0)	51 (2.0)

### Materials

	FTB4700	FTB4800
<b>Body</b>	Nickel-plated brass	316 SS
<b>Rotor Chamber</b>	Brass	Rotor cover: 316 SS
<b>Rotor</b>	Thermoplastic	PVDF
<b>Shaft</b>	Tungsten carbide	Nickel-bonded tungsten carbide
<b>Bearings</b>	Water cooled thermoplastic	Ruby ring and ball
<b>O-Ring</b>	–	TFE-coated FKM

### To Order

Model No.	K Factor (Pulses/Gal)	Description
FTB4705	550	½ MNPT, 0.2 to 10 GPM
FTB4707	330	¾ MNPT, 0.2 to 18 GPM
FTB4805	535	½ FNPT, 0.1 to 10 GPM, 316 SS body
FTB4807	390	¾ FNPT, 0.2 to 15 GPM, 316 SS body
FTB4810	220	1 FNPT, 0.5 to 25 GPM, 316 SS body

### Accessories

Model No.	Description
DPF701	½" DIN panel meter, visit <a href="http://omega.com/dpf700">omega.com/dpf700</a> for more details

FTB4700 Series comes complete with 3.7 m (12') cable with 2 NPT couplings and operator's manual. FTB4800 Series comes complete with 5.5 m (18') sensor cable and operator's manual.

**Ordering Examples:** FTB4705, 0.2 to 10 GPM.

FTB4807, 0.2 to 15 GPM, DPF701, panel meter.