

ECONOMICAL PVC TURBINE FLOWMETERS WITH LOCAL DIGITAL DISPLAY

FTB690A-NPT Series



- ✓ Indicates Both Rate and Total
- ✓ 3% Reading Accuracy
- ✓ 6-Digit Display
- ✓ Reads GPM or LPM
- ✓ Battery Operated (Included)

FTB690 Series turbine meters with microprocessor-based electronics offers a durable, compact, high-precision fluid measurement device, with total and rate indication. Information is clearly displayed on a large 6-digit liquid crystal display with only 2-point floating decimal for totals from 0.01 to 999,999. All operations are easily performed with only 2 buttons. The basic unit and display are powered by 2 lithium batteries, providing up to 5 years of use. Cumulative total, batch total, and rate of flow are standard. A single-point field calibration curve can be stored in memory.

The FLSC790-BATT is the replacement lithium battery for the display electronics. Batteries provide 5 years of use.

SPECIFICATIONS

Accuracy: $\pm 3\%$ rdg

Extended Low Flow Range Accuracy: $\pm 5.0\%$ rdg (display models only)

Repeatability: $\pm 0.1\%$

Pressure Rating: 150 psig (10.3 bar)

Max Pressure: 225 psi

Temperatures:

Operational: 0 to 60°C (32 to 140°F)

Storage: -40 to 70°C (-40 to 158°F)

Viscosity: Rated accuracy for fluids with viscosity of water (1 centistoke); meters with display can be used for fluids up to 100 centistokes with field calibration

Pulse Output (Option): Open collector sinking, 9 to 35 Vdc

Wetted Components:

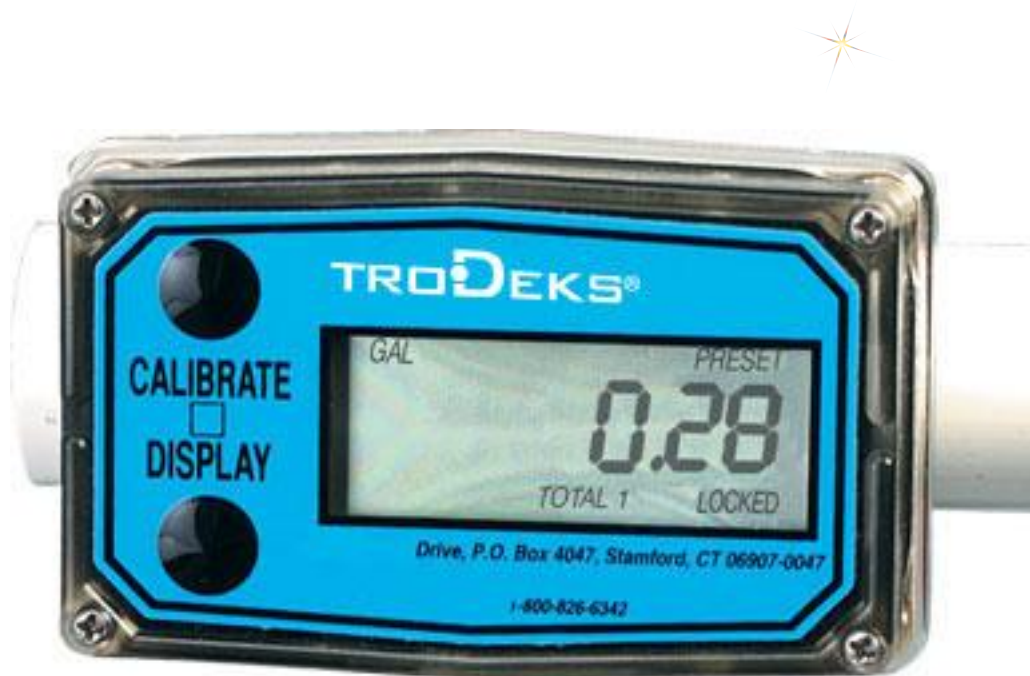
Housing: PVC

Journal Bearings: Ceramic (96% alumina)

Shaft: Tungsten carbide

Rotor and Supports: PVDF

Retaining Rings: 316 SS



FTB691

Display: 6-digit LCD, flow rate, batch and cumulative total

Power: Two 3V lithium batteries (included)

Battery Life: 5 years

To Order			
Model Number	Description	Flowrate GPM (LPM)	Weight kg (lb)
FTB691A-NPT	1/2" Sch. 80 NPT turbine	1 to 10 (3.8 to 38)	0.8 (0.36)
FTB692A-NPT	3/4" Sch. 80 NPT turbine	2 to 20 (7.6 to 76)	0.88 (0.39)
FTB693A-NPT	1" Sch. 80 NPT turbine	5 to 50 (19 to 190)	1.0 (0.45)
FTB694A-NPT	1 1/2" Sch. 80 NPT turbine	10 to 100 (38 to 380)	1.4 (0.63)
FTB695A-NPT	2" Sch. 80 NPT turbine	20 to 200 (76 to 760)	1.68 (0.76)
FTB696A-NPT	3" Sch. 80 NPT turbine	40 to 400 (151 to 1514)	1.77 (3.9)
FTB696A-F	3" Sch. 80 flanged turbine	40 to 400 (151 to 1514)	2.63 (5.8)
FTB697A-NPT	4" Sch. 80 NPT turbine	60 to 600 (227 to 2271)	2.77 (6.1)
FTB697A-F	4" Sch. 80 flanged turbine	60 to 600 (227 to 2271)	4.17 (9.2)
FLSC790-BATT	Two 3V replacement batteries		

Comes complete with two 3V lithium batteries and operator's manual.

For units with pulse output module in place of display add suffix "-P" to model number, no additional cost.

Ordering Examples: FTB691A-NPT-P, 1/2" NPT mount turbine 1 to 10 GPM, pulse module.

FTB692A-NPT, 3/4" NPT mount turbine, 2 to 20 GPM.