

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: ±3% rdg

Extended Low Flow Range Accuracy: ±5.0% rdg (display models only)

Repeatability: ±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



FTB691A-NPT



FTB692A-NPT



FTB697A-NPT



FTB696A-F



FTB695A-NPT

All models shown smaller than actual size.

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

Power: Two 3V lithium batteries (included)

Battery Life: 5 years

To Order Visit omega.com/ftb690 for Pricing and Details

| 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.