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 offer 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

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

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

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, ¾ NPT mount turbine, 2 to 20 GPM.

All models shown smaller than actual size.