**Series TFM-LP Liquid Turbine Flow Meters** are suitable for a wide variety of industrial, commercial, and laboratory flow applications. These meters utilize a turbine wheel and electro-optical detection to convert flow rates into a linear 0 to 5 VDC output signal for recording and data logging. A 3-1/2 digit LCD informs the user of the actual flow rate. A power adapter or mating cable assembly is required for operation.

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Connection</th>
<th>&quot;A&quot; (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TFM-LP03</td>
<td>2.1 to 1.5 GPH (0.013 to 0.1 LPM)</td>
<td>1/8&quot; OD</td>
<td>3-5/16</td>
</tr>
<tr>
<td>TFM-LP04</td>
<td>3.2 to 3.2 GPH (0.02 to 0.2 LPM)</td>
<td>1/4&quot; OD</td>
<td>3-3/32</td>
</tr>
<tr>
<td>TFM-LP05</td>
<td>7.9 to 7.9 GPH (0.05 to 0.5 LPM)</td>
<td>1/4&quot; OD</td>
<td>3-3/32</td>
</tr>
<tr>
<td>TFM-LP06</td>
<td>1.6 to 16 GPH (0.1 to 1 LPM)</td>
<td>1/4&quot; OD</td>
<td>3-3/32</td>
</tr>
<tr>
<td>TFM-LP07</td>
<td>3.2 to 32 GPH (0.2 to 2 LPM)</td>
<td>1/4&quot; OD</td>
<td>3-3/32</td>
</tr>
<tr>
<td>TFM-LP08</td>
<td>7.9 to 79 GPH (0.5 to 5 LPM)</td>
<td>3/8&quot; OD</td>
<td>4-1/8</td>
</tr>
<tr>
<td>TFM-LP09</td>
<td>16 to 160 GPH (1 to 10 LPM)</td>
<td>3/8&quot; OD</td>
<td>4-1/8</td>
</tr>
</tbody>
</table>

### Accessories

- **A-454**: 115 VAC Power Adapter and Signal Cable
- **A-455**: 230 VAC Power Adapter and Signal Cable
- **A-456**: 36" Mating Cable with Spliced Leads

**Series TFM-LI Liquid Turbine Flow Meters** are suitable for a wide variety of industrial, commercial, and laboratory flow applications. These meters utilize a turbine wheel and electro-optical detection to convert flow rates into a linear 0 to 5 VDC output signal for recording and data logging. A 3-1/2 digit LCD informs the user of the actual flow rate. A power adapter or mating cable assembly is required for operation.

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<tbody>
<tr>
<td>TFM-LI03</td>
<td>2.1 to 1.5 GPH (0.013 to 0.1 LPM)</td>
<td>1/8&quot; OD</td>
<td>3-5/16</td>
</tr>
<tr>
<td>TFM-LI04</td>
<td>3.2 to 3.2 GPH (0.02 to 0.2 LPM)</td>
<td>1/4&quot; OD</td>
<td>3-3/32</td>
</tr>
<tr>
<td>TFM-LI05</td>
<td>7.9 to 7.9 GPH (0.05 to 0.5 LPM)</td>
<td>1/4&quot; OD</td>
<td>3-3/32</td>
</tr>
<tr>
<td>TFM-LI06</td>
<td>1.6 to 16 GPH (0.1 to 1 LPM)</td>
<td>1/4&quot; OD</td>
<td>3-3/32</td>
</tr>
<tr>
<td>TFM-LI07</td>
<td>3.2 to 32 GPH (0.2 to 2 LPM)</td>
<td>1/4&quot; OD</td>
<td>3-3/32</td>
</tr>
<tr>
<td>TFM-LI08</td>
<td>7.9 to 79 GPH (0.5 to 5 LPM)</td>
<td>3/8&quot; OD</td>
<td>3-27/32</td>
</tr>
<tr>
<td>TFM-LI09</td>
<td>16 to 160 GPH (1 to 10 LPM)</td>
<td>3/8&quot; OD</td>
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</tbody>
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### Accessories

- **A-454**: 115 VAC Power Adapter and Signal Cable
- **A-455**: 230 VAC Power Adapter and Signal Cable
- **A-456**: 36" Mating Cable with Spliced Leads

**SPECIFICATIONS**

- **Service**: Clean liquids compatible with wetted materials.
- **Wetted Materials**: 316 SS, acetal, sapphire, glass, epoxy, and fluoroelastomer.
- **Accuracy**: ±1% of full-scale.
- **Linearity**: ±1% of full-scale.
- **Repeatability**: ±0.2% of full-scale.
- **Temperature Limits**: 41 to 131°F (5 to 55°C); Storage: 32 to 158°F (0 to 70°C);
- **Sensitivity**: ±0.2% of full-scale per °C.
- **Pressure Limits**: 500 psig (34.5 bar).
- **Process Connection**: Compression fitting, see model table.
- **Power Requirements**: 11.5 to 15 VDC.
- **Power Consumption**: 35 mA@12 VDC.
- **Output Signal**: 0 to 5 VDC; Minimum 2.5 kΩ load; Pulse: 7.5 VDC peak buffered square wave.
- **Electrical Connections**: Four-pin power and signal connector. A power adapter or mating cable required for operation. See Accessories Table.
- **Enclosure Rating**: IP10 (NEMA 1).
- **Weight**: 0.86 lb (390 g).
- **Agency Approvals**: CE.

**CONTACT US**

- **U.S.**: +1-219-879-8000
- **U.K.**: +44-(0)1494-461707
- **A.U.**: +61-(0)2 4272 2055
- **China**: +86-10-8465 2237

**ADJUSTMENT TRIMPOT**

- **OPENING**
- **TRIM LCD**
- **DISPLAY**

**SPECIFICATIONS**

- **Service**: Clean liquids compatible with wetted materials.
- **Wetted Materials**: 316 SS, acetal, sapphire, glass, epoxy, and fluoroelastomer.
- **Accuracy**: ±1% of full-scale.
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