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 power adapter or mating cable assembly is required for operation. A power adapter or mating cable assembly is required for operation. See Accessories Table.

### 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.

### ACCESSORIES
<table>
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<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>A-454</td>
<td>115 VAC Power Adapter and Signal Cable</td>
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<tr>
<td>A-455</td>
<td>230 VAC Power Adapter and Signal Cable</td>
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<td>A-456</td>
<td>36” Mating Cable with Spliced Leads</td>
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</table>

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 3½ digit LCD informs the user of the actual flow rate. A power adapter or mating cable assembly is required for operation.

### 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.
- **Electrical Connections**: Four-pin power and signal connector. A power adapter or mating cable required for operation. See Accessories Table.
- **Display**: LCD, 0.39” (10 mm) digits (only in LPM).
- **Enclosure Rating**: IP10 (NEMA 1).
- **Weight**: 0.80 lb (380 g).
- **Agency Approvals**: CE.