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.

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.

**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.

**Temperature Limits:**
- ±0.2% of full scale
- Storage: 32 to 158°F (0 to 70°C)
- Process: 41 to 131°F (5 to 55°C)

**Sensitivity:** ±0.2% of full scale per °C

**Pressure Limits:** 500 psig (34.5 bar)

**Power Requirements:**
- 11.5 to 15 VDC
- 35 mA @ 12 VDC

**Process Connection:** Compression fitting, see model table.

**Power Consumption:**
- 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

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**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
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<td>115 VAC Power Adapter and Signal Cable</td>
</tr>
<tr>
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<td>230 VAC Power Adapter and Signal Cable</td>
</tr>
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