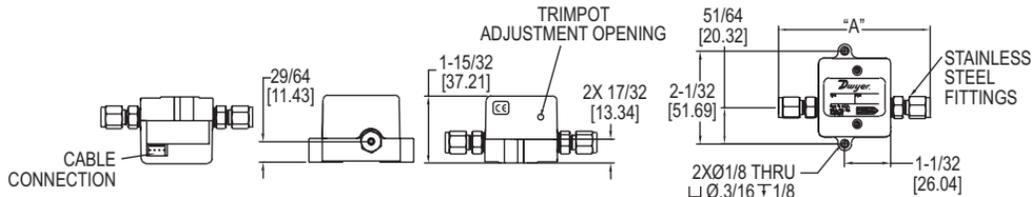


**SERIES TFM-LP**

# LIQUID TURBINE FLOW METER

316SS Body, 0 to 5 VDC and Pulse Outputs



The **SERIES TFM-LP** Liquid Flowmeters utilize a turbine wheel and electro-optical detection to convert flow rates into a linear 0 to 5 VDC and pulsed output signal for recording and data logging. A power adapter or mating cable assembly is required for operation.

**FEATURES/BENEFITS**

- Rugged 316 SS body
- High repeatability with patented microturbine design
- Design accurately measures flow rates with no zero drift and no required maintenance

**APPLICATIONS**

- Industrial flow monitoring
- Commercial systems
- Laboratory equipment

MODEL CHART		
Model	Range	Connection "A" (in)
<b>TFM-LP03</b>	.21 to 1.6 GPH (.013 to .1 LPM)	1/8" OD 3-27/64
<b>TFM-LP04</b>	.32 to 3.2 GPH (.02 to .2 LPM)	1/4" OD 3-53/64
<b>TFM-LP05</b>	.79 to 7.9 GPH (.05 to .5 LPM)	1/4" OD 3-53/64
<b>TFM-LP06</b>	1.6 to 16 GPH (0.1 to 1 LPM)	1/4" OD 3-53/64
<b>TFM-LP07</b>	3.2 to 32 GPH (.2 to 2 LPM)	1/4" OD 3-53/64
<b>TFM-LP08</b>	7.9 to 79 GPH (.5 to 5 LPM)	3/8" OD 4-1/8
<b>TFM-LP09</b>	16 to 160 GPH (1 to 10 LPM)	3/8" OD 4-1/8

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

ACCESSORIES	
Model	Description
<b>A-454</b>	115 VAC power adapter and signal cable
<b>A-455</b>	230 VAC power adapter and signal cable
<b>A-456</b>	36" mating cable with spliced leads