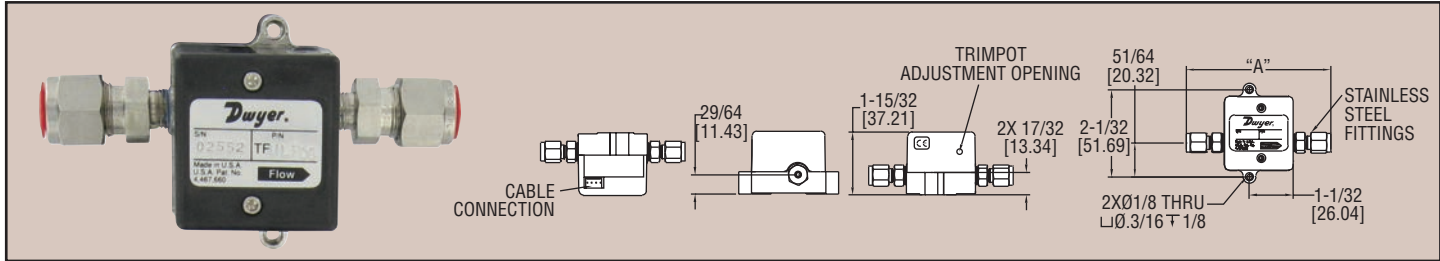




Series  
TFM-LP

# Liquid Turbine Flow Meter

316SS Body, 0 to 5 VDC and Pulse Outputs



**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. Couple this unit with a Series TM2 Flow Totalizer for a remote flow monitoring display. A power adapter or mating cable assembly is required for operation.

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

## ACCESSORIES

Model	Description
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:**  $\pm 1\%$  of full-scale.

**Linearity:**  $\pm 1\%$  of full-scale.

**Repeatability:**  $\pm 0.2\%$  of full-scale.

**Temperature Limits:** 41 to 131°F (5 to 55°C); Storage: 32 to 158°F (0 to 70°C);

Sensitivity:  $\pm 0.2\%$  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.