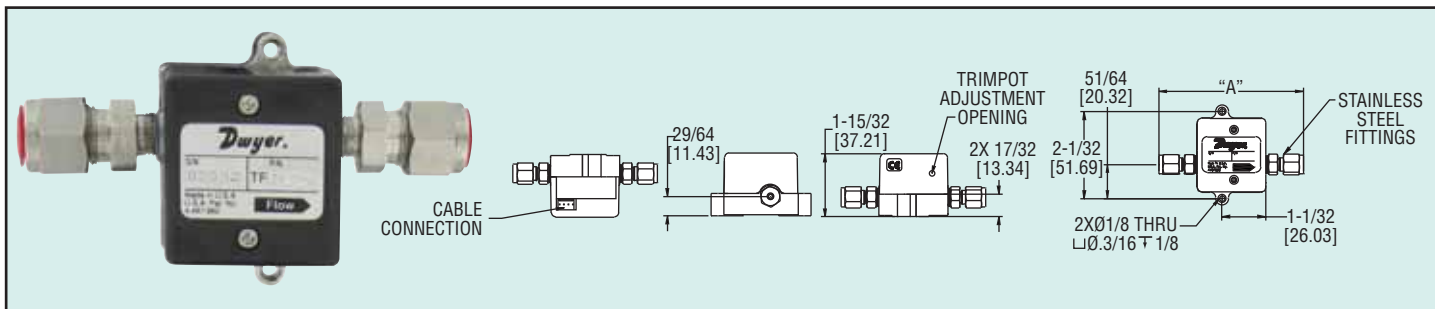




Series
TFM-LP

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 (LPM)	Connection	"A" (in)
TFM-LP03	0.17 to 1.32 GPH (0.013 to 0.1)	1/8" OD	3-27/64
TFM-LP04	0.26 to 2.64 GPH (0.02 to 0.2)	1/4" OD	3-53/64
TFM-LP05	0.66 to 6.6 GPH (0.05 to 0.5)	1/4" OD	3-53/64
TFM-LP06	1.32 to 13.2 GPH (0.1 to 1)	1/4" OD	3-53/64
TFM-LP07	2.64 to 26.4 GPH (0.2 to 2)	1/4" OD	3-53/64
TFM-LP08	0.11 to 1.1 GPM (0.5 to 5)	3/8" OD	4-1/8
TFM-LP09	0.22 to 2.2 GPM (1 to 10)	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: ±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.