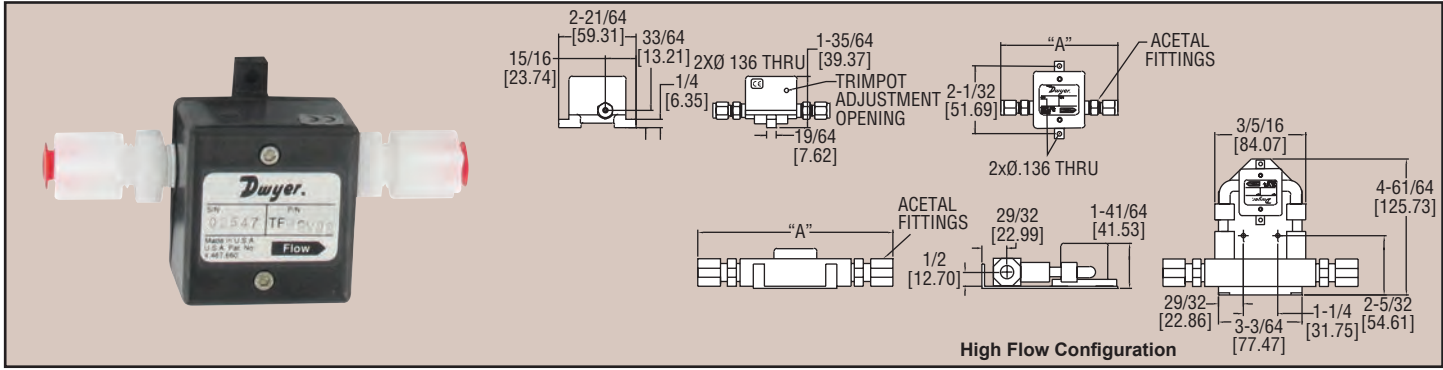




Series
TFP-GV

Gas Turbine Flow Meter

PPS Body, 0 to 5 VDC Output



Series TFP-GV Gas 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 FIV Flow Totalizer for a remote flow monitoring display. A power adapter or mating cable assembly is required for operation.

SPECIFICATIONS

Service: Clean dry gases compatible with wetted materials.

Wetted Materials: PPS, acetal, sapphire, glass, epoxy, and fluoroelastomer.

Accuracy: ±3% of full-scale.

Linearity: ±3% of full-scale.

Repeatability: ±0.5% 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: 40 psig (2.8 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.

Enclosure Rating: IP10 (NEMA 1).

Weight: 0.16 lb (75 g).
Agency Approvals: CE.

| Model | Range | Connection | "A" (in) |
|-----------|----------------------------------|------------|----------|
| TFP-GV03 | .042 to .21 SCFH (.02 to .1 LPM) | 1/8" OD | 3-27/64 |
| TFP-GV04 | .085 to .42 SCFH (.04 to .2 LPM) | 1/8" OD | 3-27/64 |
| TFP-GV05 | .21 to 1.1 SCFH (.1 to .5 LPM) | 1/8" OD | 3-27/64 |
| TFP-GV06 | .42 to 2.1 SCFH (.2 to 1 LPM) | 1/8" OD | 3-27/64 |
| TFP-GV07 | .85 to 4.2 SCFH (.4 to 2 LPM) | 1/4" OD | 3-13/16 |
| TFP-GV08 | 2.1 to 11 SCFH (1 to 5 LPM) | 1/4" OD | 3-13/16 |
| TFP-GV09 | 4.2 to 21 SCFH (2 to 10 LPM) | 1/4" OD | 3-13/16 |
| TFP-GV10* | 8.5 to 42 SCFH (4 to 20 LPM) | 3/8" OD | 7-7/64 |
| TFP-GV11* | 21 to 110 SCFH (10 to 50 LPM) | 3/8" OD | 7-7/64 |
| TFP-GV12* | 42 to 210 SCFH (20 to 100 LPM) | 1/2" OD | 7-1/2 |
| TFP-GV13* | 85 to 420 SCFH (40 to 200 LPM) | 1/2" OD | 7-1/2 |

*These models come in high flow configuration

ACCESSORIES

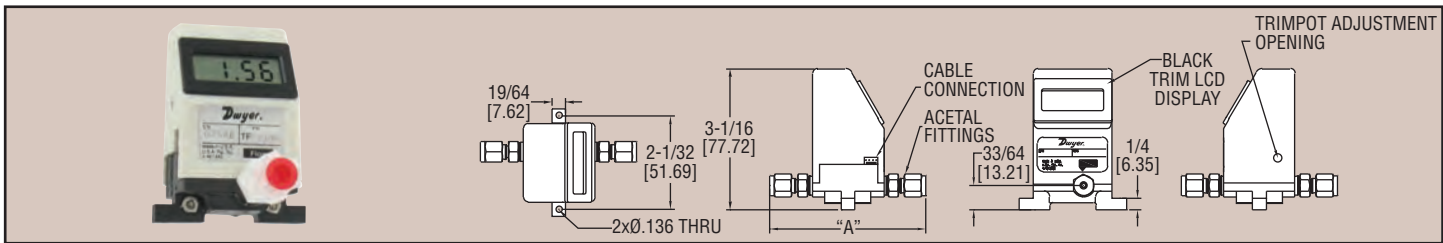
| Model | Description |
|-------|--|
| A-454 | 115 VAC Power Adapter and Signal Cable |
| A-455 | 230 VAC Power Adapter and Signal Cable |
| A-456 | 36" Mating Cable with Spliced Leads |



Series
TFP-GI

Gas Turbine Flow Meter

PPS Body, 0 to 5 VDC Output, LCD Indication



Series TFP-GI Gas 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 dry gases compatible with wetted materials.

Wetted Materials: PPS, acetal, sapphire, glass, epoxy, and fluoroelastomer.

Accuracy: ±3% of full-scale.

Linearity: ±3% of full-scale.

Repeatability: ±0.5% 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: 40 psig (2.8 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: 0.23 lb (101 g).

Agency Approvals: CE.

| Model | Range | Connection | "A" (in) |
|----------|----------------------------------|------------|----------|
| TFP-GI03 | .042 to .21 SCFH (.02 to .1 LPM) | 1/8" OD | 3-27/64 |
| TFP-GI04 | .085 to .42 SCFH (.04 to .2 LPM) | 1/8" OD | 3-27/64 |
| TFP-GI05 | .21 to 1.1 SCFH (.1 to .5 LPM) | 1/8" OD | 3-27/64 |
| TFP-GI06 | .42 to 2.1 SCFH (.2 to 1 LPM) | 1/8" OD | 3-27/64 |
| TFP-GI07 | .85 to 4.2 SCFH (.4 to 2 LPM) | 1/4" OD | 3-13/16 |
| TFP-GI08 | 2.1 to 11 SCFH (1 to 5 LPM) | 1/4" OD | 3-13/16 |

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 |

FLOW
Flow Transmitters,
Turbine