



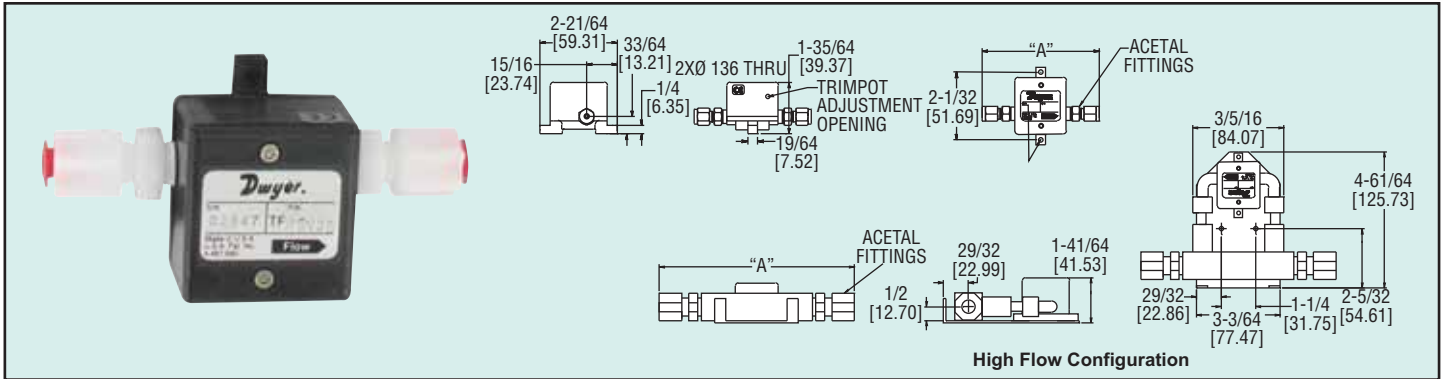
Series  
TFP-GV

# Gas Turbine Flow Meter

PPS Body, 0 to 5 VDC Output



Flow



**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.

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.

### 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.

### ACCESSORIES

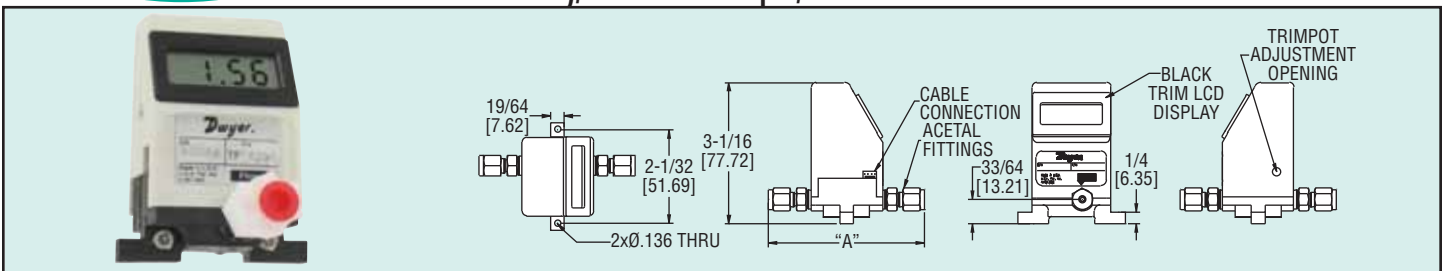
Model	Description
A-454	115 VAC Power Adapter and Signal Cable
A-455	230 VAC Power Adapter and Signal Cable
A-456	36" Mating Cable with Spliced Leads



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.

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

### 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.

**Enclosure Rating:** IP10 (NEMA 1).

**Weight:** 0.23 lb (101 g).  
**Agency Approvals:** CE.