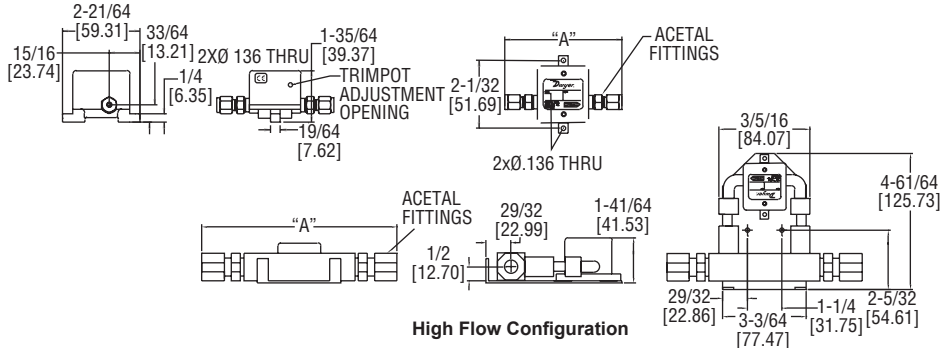




SERIES TFP-GV

# GAS TURBINE FLOW METER

PPS Body, 0 to 5 VDC Output



The **SERIES TFP-GV** Gas Flowmeters 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.

**FEATURES/BENEFITS**

- Corrosion resistant PPS 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) |
| 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 modes 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 FS.  
**Linearity:** ±3% of FS.  
**Repeatability:** ±0.5% of FS.  
**Temperature Limits:** 41 to 131°F (5 to 55°C); Storage: 32 to 158°F (0 to 70°C); Sensitivity: ±0.2% of FS 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    |



FLOW