

# TMG Series Gas Flow Meter

## Accuracy and Reliability in Oil and Gas Applications

**T**urbines, Inc. is a leader in the design and manufacture of reliable and accurate turbine flow metering equipment, electronic monitors, and accessories. All of our products are engineered, manufactured, and calibrated using premium quality materials by a skilled engineering team, using state-of-the-art equipment.

The **TMG Series** gas turbine flow meter delivers accurate measurement in a variety of applications. This durable meter is designed to withstand rugged conditions and deliver accurate results over a long service life.



The TMG Series meter can handle working pressures up to 1,000 psig (based on end connection used), and delivers +/- 1.0% standard accuracy over the flow range. For every turbine flow meter manufactured by Turbines, Inc., a unique K-factor is documented by means of NIST-traceable factory calibration. For additional local output, the TMG Series can be combined with one of our reliable monitors for a complete, accurate solution.

### Specifications

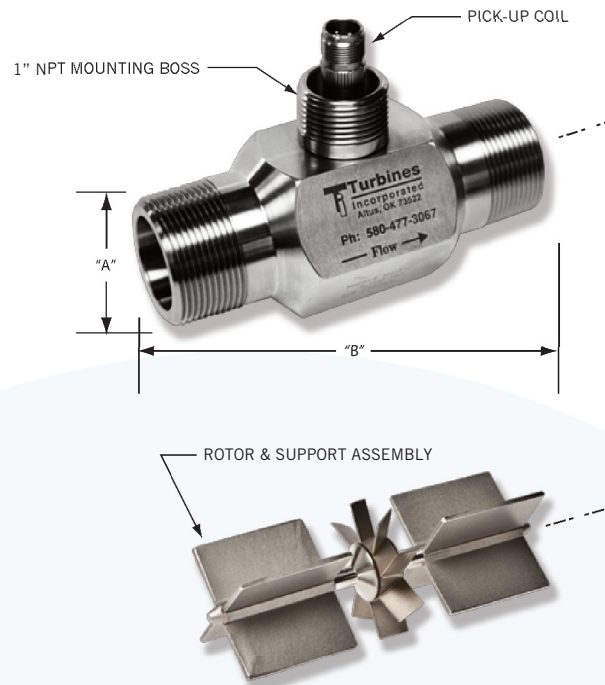
Performance Data	
Repeatability	+/- 0.1% over flow range
Linearity	+/- 1.0% (density dependent)
Operating Temperature	-100°F to +300°F
Connection	Victaulic®, NPT, flanged, or wafer
Flow Range	0.5 to 250 ACFM / 21 – 10,195 m <sup>3</sup> /day
Electrical Output	30mV p-p at minimum flow
Materials	
Meter Body	316 stainless steel
Rotor Supports	316 stainless steel
Rotor	17-4 PH stainless steel
Bearings	440C stainless steel raceway and balls, self-lubricating retainer
TI Certifications	
	ISO 9001
Additional Information	
	Full line of economical Retrofit Kits are available Factory refurbishment with one (1) day turnaround is available

Magnetic pick up is standard on all models (no extra charge).

# Data Sheet TMG Series

## Installation

1. Magnetic pickup coils included with each turbine meter at no extra charge;
2. Turbine meter is linear and accurate over its designed operating range;
3. Minimum recommended piping installation: 10 diameters upstream & 5 diameters downstream;
4. Locate valves or chokes downstream;
5. For best meter performance and to avoid bearing wear, do not exceed maximum rated flow for long periods of time;
6. Consult factory for warranty details.



## The TMG Flow Meter Family includes:

Model	Size	Retrofit Kit Model	"A"	"B"	Range (ACFM)	m3/day Range
TMG0100L	1"	TMGK0100L	1.315"	4.000"	0.5 – 20	21 – 816
TMG0100	1"	TMGK0100	1.315"	4.000"	3 – 30	122 – 1,223
TMG0100H	1"	TMGK0100H	1.315"	4.000"	4 – 60	163 – 2,446
TMG0200L	2"	TMGK0200L	2.375"	6.000"	2 – 90	82 – 3,669
TMG0200H	2"	TMGK0200H	2.375"	6.000"	15 – 250	612 – 10,195

Each 1" meter can also be supplied with a shorter 3.5" housing for the Canadian market.

## Support and Service

Our full-time, dedicated service group offers 100% trustworthy support and recertification for flow meters — whether our own or a competitor's brand. Our meter proving services are performed by our trained technicians and the latest testing equipment.

Custom meters and instrumentation options for your application are readily available. Our products are always in stock and ready for immediate shipment, typically within 24 hours.

## Certifications

Turbines, Inc.'s quality management systems are ISO 9001 and AS 9100 compliant and Canadian CRN certified.

## Worldwide Support

Turbines, Inc. serves customers worldwide with U.S. offices in Cranston, RI (headquarters); Houston and Odessa-Midland, TX; Tulsa and Altus, OK; Seneca, SC; as well as locations in Edmonton, Alberta (Canada) and Beijing, China.

**Contact your Turbines, Inc. Field Application Engineer for assistance.**



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Turbines, Inc. products and operations are certified to industry standards for safety and performance. Visit our web site for details.



**All Turbines, Inc. products are proudly made in the U.S.A.**