

# GTX Gas Turbine Meters

## Data Sheet



GTX gas turbine meters bring together refinements in design learned from years of application experience. GTX turbine meters are based on the standard GTS turbine meter design with the removal of certain features, making them an extremely cost effective option for industrial applications while maintaining meter accuracy.

GTX meters are available in 4", 6", and 8" sizes with maximum allowable operating pressures up to 175 psig. As shown in the features and benefits listed, many of the optional accessories for GTS turbine meters remain available on the GTX Series, such as medium- and low-frequency pulsers.

### Comparison Chart

Feature	GTS	GTX
Pressure Ratings	175, 720, 1440	175
Bearings	Standard SST	Self-Lubricating
Lubrication	Oiler	No Oiler Required
Outlet Diffuser	Standard	None
Compatibility	GTS/Accutest/GT	GTX Only
Rotors	45° or 35° Metal or Plastic	45° Plastic
Pulsers	High, Medium, Low-Frequency	Medium or Low Frequency

### GTX Basic Specifications

Size	Material		Dimensions		Flange				ANSI	Weight	Cartridge Bolt Torque	MAOP
	Body	Top	A	B	Inches		Bolts					
					O.D.	*B.D.	No.	Dia.				
4" (100mm)	AL	AL	5.85	14.0	9.00	7.50	8	5/8"	150 FF	32 lbs.	20 lb-ft	175
6" (150mm)	AL	AL	6.42	16.0	11.00	9.50	8	3/4"	150 FF	54 lbs.	35 lb-ft	175
8" (200 mm)	AL	AL	7.42	21.0	13.50	11.75	8	3/4"	150 RF	90 lbs.	90 lb-ft	175

Manufacturing Standards: ANSI/ASME MFC-4M-1986, AGA report # 7

Operating Temp: -40°F to + 140°F (-40°C to + 60°C)

### Capacity Table

Size	Qmax (SCFH)	Qmin (SCFH)	Rangeability	ΔP ("w.c.)
4"	18000	1200	15:1	2.4
6"	35000	1940	18:1	3.3
8"	60000	3000	20:1	1.6

### Features & Benefits

- **Mechanical Drive Output**  
100 ft (4" and 6")  
1,000 ft (8")
- **One Output Gear Train** for all meter sizes; reduces spare parts inventory.
- **High-Efficiency Inlet Flo-Guide®** flow conditioners to minimize the effects of flow disturbances in short-coupled installations.
- **Interchangeable Pre-Calibrated Measurement Cartridges** for easy maintenance. NOTE: GTX cartridges fit only into GTX bodies.
- **Three-Point Accuracy Curve** supplied as standard.
- **Odometer Style Index as Std.** (Dial Type Optional)

### Optional Accessories & Services

- **Mechanical and Electronic Pulse Outputs**
- **Mechanical Drive Models** for use with P&T Correctors
- **Actaris, Mercury or Invensys Corrector Adapter Plates available.**
- **Strainers and Filters**
- **Medium- and High-Pressure Accuracy Curves available.**
- **Cartridge Re-certification and Repair Services.**

