

TH Series High Accuracy Turbine Flow Meter

Overview

The TH Turbine Flow Meter is a compact, high-accuracy meter that is repeatable up to 0.1%. This series offers a wide range of meter sizes with internal diameters from 1/2" up to 12", accommodating flow rates as low as 1 gallon per minute and up to 12,000 gallons per minute.

The TH Turbine is commonly used in applications and industries requiring highly accurate flow readings and components that are compatible with a variety of specialty chemicals and fluids. Examples include:

- Fuel measurement / Consumption
- Blending
- Jet fuel
- Engine testing
- Test stands
- Prototype testing
- Chemicals / Dosing
- Process control



Technical Specifications

General Meter Data	
13 Flow Ranges	1.0 to 12,000 GPM (across all meter sizes)
Accuracy	±0.5% over standard flow range (for ±0.25% consult factory)
Repeatability	±0.1% over standard range
Operating Temperature Range	-450°F to 450°F (up to 850°F with special coil - consult factory)
Max. Operating Pressure	up to 20,000 psi (end connection dependent)
End Connections	37° AN Flare, NPT, or flanged (consult factory for other options)

Meter Materials of Construction

Body	316 stainless steel
Rotor	17-4 PH stainless steel, Nickel 200, Duplex stainless steel (consult factory for other options)
Ball Bearings	440C Stainless Steel and Hybrid Ceramic ball bearings, hard carbon composite (consult factory for additional materials available)

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Meter Data – Sizes

Flow Meter Internal Diameter	Flow Range	
	(GPM)	(LPM)
1/2"	1-10	3.79-37.85
5/8"	1.75-16	6.62-60.57
3/4"	2.5-30	9.46-113.56
1"	4-60	15.14-227.12
1-1/4"	6-93	22.71-352.04
1-1/2"	8-130	30.28-492.10
2"	15-225	56.8-851.7
3"	40-650	151.4-2,461
4"	75-1250	284-4,732
6"	200-2900	757.1-10,978
8"	330-5200	1,249-19,684
10"	650-8000	2,461-30,283
12"	900-12,000	3,407-45,425

Details

- Magnetic pickup coils are included at no additional charge.
- The TH Series is linear and accurate over its designed operating range; "premium accuracy" is available - consult factory.

Compatible Electronics

Standard (included)	Pulse output
EDGE Sensor	Pulse, analog, or Modbus outputs
Digital Display	EX rated, flow rate & total, analog and pulse outputs



End-of-Life Disposal:

At the end of its service life, this product and its associated electronics should **not be discarded with municipal solid waste**. We strongly recommend recycling the unit in accordance with **all applicable local, state, and federal regulations**. Electronic components may qualify as universal waste and should be handled through an appropriate recycling or collection program. Responsible recycling supports our commitment to environmental stewardship under **ISO 14001**.

Products may be subject to change without notice. Contact factory for the most up-to-date product information.