

ECONOMICAL PVC TURBINE FLOWMETERS WITH LOCAL DIGITAL DISPLAY

TM Series



- ✓ Indicates Both Rate and Total
- ✓ 3% Reading Accuracy
- ✓ 6-Digit Display
- ✓ Reads GPM or LPM
- ✓ Battery Operated (Included)

TM Series turbine meters with microprocessor-based electronics offers a durable, compact, high-precision fluid measurement device, with total and rate indication. Information is clearly displayed on a large 6-digit liquid crystal display with only 2-point floating decimal for totals from 0.01 to 999,999. All operations are easily performed with only 2 buttons. The basic unit and display are powered by 2 lithium batteries, providing up to 5 years of use. Cumulative total, batch total, and rate of flow are standard. A single-point field calibration curve can be stored in memory.

SPECIFICATIONS

Accuracy: ±3% rdg
Extended Low Flow Range Accuracy: ±5.0% rdg (display models only)
Repeatability: ±0.1%
Pressure Rating: 150 psig (10.3 bar)
Max Pressure: 225 psi **Temperatures:**
Operational: 0 to 60°C (32 to 140°F)
Storage: -40 to 70°C (-40 to 158°F)
Viscosity: Rated accuracy for fluids with viscosity of water (1 centistoke); meters with display can be used for fluids up to 100 centistokes with field calibration
Pulse Output (Option): Open collector sinking, 9 to 35 Vdc
Wetted Components:

Housing: PVC
Journal Bearings: Ceramic (96% alumina)
Shaft: Tungsten carbide
Rotor and Supports: PVDF
Retaining Rings: 316 SS



TM05NQ9GMA



TM07NQ9GMA



TM40NQ9GME



TM30FQ9GME



TM20NQ9GMB

All models shown smaller than actual size.

Display: 6-digit LCD, flow rate, batch and cumulative total

Power: Two 3V lithium batteries

Battery Life: 5 years

To Order Visit omega.com/TM series for Pricing and Details			
Model Number	Description	Flowrate GPM (LPM)	Weight kg (lb)
TM05NQ9GMA	1/2" Sch. 80 NPT turbine	1 to 10 (3.8 to 38)	0.8 (0.36)
TM07NQ9GMA	3/4" Sch. 80 NPT turbine	2 to 20 (7.6 to 76)	0.88 (0.39)
TM10NQ9GMA	1" Sch. 80 NPT turbine	5 to 50 (19 to 190)	1.0 (0.45)
TM15NQ9GMB	1 1/2" Sch. 80 NPT turbine	10 to 100 (38 to 380)	1.4 (0.63)
TM20NQ9GMB	2" Sch. 80 NPT turbine	20 to 200 (76 to 760)	1.68 (0.76)
TM30NQ9GMD	3" Sch. 80 NPT turbine	40 to 400 (151 to 1514)	1.77 (3.9)
TM30FQ9GME	3" Sch. 80 flanged turbine	40 to 400 (151 to 1514)	2.63 (5.8)
TM40NQ9GME	4" Sch. 80 NPT turbine	60 to 600 (227 to 2271)	2.77 (6.1)
TM40FQ9GME	4" Sch. 80 flanged turbine	60 to 600 (227 to 2271)	4.17 (9.2)

Comes complete with two 3V lithium batteries and operator's manual.

For units with pulse output module in place of display add suffix "-P" to model number, no additional cost.

Ordering Examples: TM05NPOXXC, 1/2 NPT mount turbine 1 to 10 GPM, pulse module.
 TM07NQ9GMA, 3/4 NPT mount turbine, 2 to 20 GPM.