



TM SERIES WATER METERS

GPI Water Meters are accurate, economical and designed to last. Choose GPI Water Meters for water processing and irrigation applications. The TM Series Water Meters meet Schedule 80 PVC specifications and come standard with the low-profile display. Meters come in seven sizes with three fitting types, offering flowrates from 1 - 800 GPM.



Product Identifier

TM = Water Meter

Turbine Size

- 050** = Schedule 80 PVC, 1/2 inch
- 075** = Schedule 80 PVC, 3/4 inch
- 100** = Schedule 80 PVC, 1 inch
- 150** = Schedule 80 PVC, 1-1/2 inch
- 200** = Schedule 80 PVC, 2 inch
- 300** = Schedule 80 PVC, 3 inch
- 400** = Schedule 80 PVC, 4 inch

Meter Dimensions listed on page 77.

Fitting Type

- Blank** = Spigot (Pipe) End
- N** = NPT (Female)
- F** = 150# ANSI Flange (3 in. and 4 in. meters only)

Electronic Choices

- Blank** = Local Display
- P** = Pulse Output
- GA** = 4-20 mA Output, No Display (3 in. and 4 in. meters only)
- GG** = Pulse Output, With Display (3 in. and 4 in. meters only)
- GX** = 4-20 mA Output, With Display (3 in. and 4 in. meters only)
- SC** = Scaled Pulse Output (3 in. and 4 in. meters only)



TM SERIES – SPECIFICATIONS

Design Type:	Turbine	
Fitting Size:	1/2" 3/4" 1" 1-1/2" 2"	
Fitting Type:	Schedule 80 Spigot (Pipe) End or NPT (Female)	
Flow Range:		
1/2" - TM 050:	1 - 10 GPM (3.8 - 38 LPM)	
3/4" - TM075	2 - 20 GPM (7.6 - 76 LPM)	
1" - TM100:	5 - 50 GPM (19 - 190 LPM)	
1-1/2" - TM150	10 - 100 GPM (38 - 380 LPM)	
2" - TM200	20 - 200 GPM (76 - 760 LPM)	
Accuracy:	± 3.0% of reading	
Pressure Rating:	225 PSIG / 15.3 BAR at 73° F (23° C)	
Operating Temperature:	+32° F to +140° F (0° to +60° C)	
Typical K-Factor:		
1/2" - TM050:	2,500	
3/4" - TM075	1,100	
1" - TM100:	565	
1-1/2" - TM150	215	
2" - TM200	100	
Battery Life:	5 Years	
Wetted Materials:		
Housing:	PVC	
Bearings:	Ceramic	
Shaft:	Tungsten Carbide	
Rotor:	PVDF	
Rings:	316 Stainless Steel	
Shipping Weight (approx.):	Spigot	NPT
1/2" - TM050:	.38 lbs. (.172 kg)	.55 lbs. (.249 kg)
3/4" - TM075:	.43 lbs. (.304 kg)	.67 lbs. (.304 kg)
1" - TM100:	.49 lbs. (.222 kg)	.49 lbs. (.381 kg)
1-1/2" - TM150:	.66 lbs. (.299 kg)	1.38 lbs. (.626 kg)
2" - TM200:	.78 lbs. (.354 kg)	1.78 lbs. (.807 kg)
Display Features:	Rate of Flow, Batch and Cumulative Totals, Field Calibration available.	
Pulse Output (-P Elec. Choice):	Open Collector (NPN)	
Calibration Report	Comes standard with -P (Pulse out) TM Models. N.I.S.T. – Certification available.	

APPROVALS



Model TM150-N



"Look for the blue label!"

TM Series Meters are designed for use in water applications. The five smallest sizes are shown here. (For 3" and 4" meters, see next page.) Choose either Spigot (pipe end) or NPT fittings.



TM SERIES
water meters

For complete part number, see "Number Reference" chart on page 46.

ACCURACY: ±3.0% READING

Features and Benefits:

- ✓ Easy to install.
- ✓ Displays in gallons, litres and cubic feet.
- ✓ Indicates Batch, Cumulative Totals and Rate of Flow.
- ✓ Available in NPT or Spigot fittings.
- ✓ Meets Schedule 80 specifications.
- ✓ Lithium battery life: 5 years.
- ✓ Non-volatile totals means amounts are retained when batteries are replaced or power is lost.

Applications:

- OEM water treatment equipment / skids
- Small waste water treatment equipment
- Sub-metering of facility water usage
- Water based cooling systems

Model TM200



"Look for the blue label!"

Model - TM300-F



"Look for the blue label!"

TM Series Meters are designed for use in water applications. The 3" and 4" models are shown here. Choose Spigot (pipe end), NPT or 150# ANSI Flange fittings.



For complete part number, see "Number Reference" chart on page 46.

ACCURACY: ±3.0% READING

Features and Benefits:

- ✓ Available in Spigot, NPT and Flange fittings.
- ✓ Displays in gallons, litres and cubic feet.
- ✓ Indicates Batch, Cumulative Totals and Rate of Flow.
- ✓ One-piece field replaceable turbine assembly.
- ✓ Spigot models may be cut to length.
- ✓ Meets Schedule 80 specifications.
- ✓ Lithium battery life: 5 years.
- ✓ Non-volatile totals means amounts are retained when batteries are replaced or power is lost.

Applications:

- OEM water treatment equipment / skids
- Sub-metering of facility water usage
- Waste water treatment equipment
- Chemical feed systems
- Cooling towers
- Irrigation

TM SERIES – SPECIFICATIONS

Design Type:	Turbine		
Fitting Size:	3" 4"		
Fitting Type:	Schedule 80 Spigot (Pipe) End, NPT (Female) or 150# ANSI Flange		
Flow Range:			
3" - TM 300:	40 - 400 GPM (151 - 1514 LPM)		
Extended Range:	30 - 600 GPM (131 - 2271 LPM)		
4" - TM400:	60 - 600 GPM (227 - 2271 LPM)		
Extended Range:	40 - 800 GPM (151 - 3028 LPM)		
Accuracy:	± 3.0% of reading		
Pressure Rating:	225 PSIG / 15.3 BAR at 73° F (23° C)		
For CE Applications:	135 PSIG / 9.1 BAR at 73° F (23° C)		
Operating Temperature:	+32° F to +140° F (0° to +60° C)		
Typical K-Factor:			
3" - TM 300:	43		
4" - TM400:	17		
Battery Life:	5 Years		
Wetted Materials:			
Housing:	PVC		
Bearings:	PEEK		
Shaft & Thrust Washers:	Stainless Steel		
Rotor & Nose Cone:	Acetal		
Signal Generator:	Ferrite		
Shipping Weight (approx.):	Spigot	NPT	Flange
3" - TM300:	2.4 lbs. (1.09 kg)	3.9 lbs. (1.77 kg)	5.8 lbs. (2.63 kg)
4" - TM400:	3.7 lbs. (1.68 kg)	6.1 lbs. (2.77 kg)	9.2 lbs. (4.17 kg)
Display Features:	Rate of Flow, Batch and Cumulative Totals, Field Calibration available.		
Pulse Output (-P Elec. Choice):	Open Collector (NPN)		
Calibration Report	Comes standard with -P (Pulse out) TM Models. N.I.S.T. - Certification available.		

ELECTRONIC CHOICES

GG, GX, GA or SC: See Electronics Section.

APPROVALS



Spigot Model - TM400



"Look for the blue label!"

NPT Model - TM300-N



"Look for the blue label!"

150# ANSI Flange Model - TM400-N-GX



"Look for the blue label!"