

# TM SERIES 1/2" - 2" WATER METERS

TM SERIES

## TM SERIES – SPECIFICATIONS

|                                   |   |                     |
|-----------------------------------|---|---------------------|
| <b>Design Type:</b>               | Turbine   |                     |
| <b>Fitting Size:</b>              | 1/2" 3/4" 1" 1-1/2" 2"  |                     |
| <b>Fitting Type:</b>              | Schedule 80 Spigot (Pipe) End or NPT (Female)                             |                     |
| <b>Flow Range:</b>                |   |                     |
| 1/2" - TM050:                     | 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)   |                     |
| <b>Accuracy:</b>                  | ± 3.0% of reading   |                     |
| <b>Pressure Rating:</b>           | 225 PSIG / 15.3 BAR at 73° F (23° C)                                      |                     |
| <b>Operating Temperature:</b>     | +32° F to +140° F (0° to +60° C)  |                     |
| <b>Battery Life:</b>              | 5 Years   |                     |
| <b>Wetted Materials:</b>          |   |                     |
| Housing:                          | PVC   |                     |
| Bearings:                         | Ceramic   |                     |
| Shaft:                            | Tungsten Carbide  |                     |
| Rotor:                            | PVDF  |                     |
| Rings:                            | 316 Stainless Steel   |                     |
| <b>Shipping Weight (approx.):</b> | <b>Spigot</b>   | <b>NPT</b>          |
| 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) |
| <b>Display Features:</b>          | Rate of Flow, Batch and Cumulative Totals,<br>Field Calibration available |                     |
| <b>Pulse Output:</b>              | Open Collector (NPN)  |                     |

## 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 or fittings.

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.

Model TM050



"Look for the blue label!"

Model TM200



"Look for the blue label!"

### Applications:

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

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.

## TM SERIES – SPECIFICATIONS

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

### 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

### ELECTRONIC CHOICES

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

### APPROVALS



Spigot Model - TM400 Shown



"Look for the blue label!"

NPT Model - TM300-N Shown



"Look for the blue label!"