TM SERIES (WATER METERS) WITH DISPLAY AND PULSE OUTPUT

FLOMEC® TM Series Water Meters are accurate, economical and designed to last. Choose TM Water Meters for water processing and irrigation applications:

- Meets Schedule 80 PVC specifications
- Standard low-profile display
- Five sizes with two fitting types available
- Flowrates from 1 to 200 gallons per minute

FEATURES / BENEFITS

- Includes pulse output cable for interfacing with customer equipment.
- Displays in gallons and litres.
- Indicates Batch, Cumulative Totals and Rate of Flow.
- Non-volatile totals means amounts are retained when batteries are replaced or power is lost.
- Lithium battery life: 5 years

APPLICATIONS

- OEM water treatment equipment / skids
- Sub-metering of facility water usage
- Waste water treatment equipment
- Irrigation
- Batching
- Plant process water
- Water based cooling systems
- Chemical feed systems
- Monitoring clean fluids
- Cooling towers
- Blending

PRODUCT CONFIGURATION

PRODUCT IDENTIFIER

TM = Water Meter, Schedule 80 PVC

TURBINE SIZE

050 = ½ inch, 075 = ¾ inch, 100 = 1 inch,
150 = 1-½ inch, 200 = 2 inch

FITTING TYPE

-LP = Spigot (Pipe) End
-N-LP = NPT Female

----->>> TM + 150 + -N-LP = SAMPLE

DIMENSIONS

<table>
<thead>
<tr>
<th>Meter Size</th>
<th>Length &quot; (mm)</th>
<th>Height &quot; (mm)</th>
<th>Width &quot; (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TM050-LP</td>
<td>4.3 (109)</td>
<td>2.5 (64)</td>
<td>2.1 (53)</td>
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<tr>
<td>TM050-N-LP</td>
<td>6.0 (152)</td>
<td>2.7 (68)</td>
<td>2.1 (53)</td>
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<tr>
<td>TM075-LP</td>
<td>4.4 (112)</td>
<td>2.7 (68)</td>
<td>2.1 (53)</td>
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<tr>
<td>TM075-N-LP</td>
<td>6.1 (155)</td>
<td>2.9 (74)</td>
<td>2.1 (53)</td>
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<tr>
<td>TM100-LP</td>
<td>4.5 (114)</td>
<td>2.9 (74)</td>
<td>2.1 (53)</td>
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<tr>
<td>TM100-N-LP</td>
<td>6.5 (165)</td>
<td>3.1 (79)</td>
<td>2.1 (53)</td>
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<tr>
<td>TM150-LP</td>
<td>5.4 (137)</td>
<td>3.6 (91)</td>
<td>2.1 (53)</td>
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<tr>
<td>TM150-N-LP</td>
<td>7.6 (193)</td>
<td>3.8 (97)</td>
<td>2.3 (58)</td>
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<tr>
<td>TM200-LP</td>
<td>5.5 (140)</td>
<td>4.1 (104)</td>
<td>2.4 (61)</td>
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<tr>
<td>TM200-N-LP</td>
<td>7.9 (201)</td>
<td>4.4 (112)</td>
<td>3.5 (89)</td>
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</table>

*Length guidelines are estimates; actual length can vary up to ± 1/2".*
SPECIFICATIONS

**Fitting Type:** Schedule 80 Spigot (Pipe End)

- NPT (Female)

**Meter Sizes Available:**

- 1/2" (050)
- 3/4" (070)
- 1" (100)
- 1-1/2" (150)
- 2" (200)

**Flow Range:**

- 1/2" (050) 1 - 10 GPM
- 3/4" (070) 2 - 20 GPM
- 1" (100) 5 - 50 GPM
- 1-1/2" (150) 10 - 100 GPM
- 2" (200) 20 - 200 GPM

**Accuracy (% of Reading):** ± 3.0%

**Pressure Rating:**

- 225 PSI @ 73° F (23° C)

**Operating Temperature Range:**

- +32° F to +140° F

**Typical K-Factor: (Pulses per gallon)**

- 1/2" (050) 2,500 PPG
- 3/4" (070) 1,100 PPG
- 1" (100) 565 PPG
- 1-1/2" (150) 215 PPG
- 2" (200) 100 PPG

**Wetted Materials:**

- Housing: PVC
- Bearings: Ceramic
- Shaft: Tungsten Carbide
- Rotor: PVDF
- Rings: 316 Stainless Steel

**Calibration Report:**

- Comes standard.
- N.I.S.T. – Certification available.

ACCESSORIES / ELECTRONICS

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<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
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<th>Description</th>
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<tbody>
<tr>
<td>113520-1</td>
<td>Battery Replacement Kit</td>
<td>125509-04</td>
<td>½ inch, Computer Assy Kit w/Pulse</td>
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<tr>
<td>116000-1</td>
<td>Calibration Container, Large (5 gallon)</td>
<td>125511-04</td>
<td>¾ inch, Computer Assy Kit w/Pulse</td>
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<td>125508-03</td>
<td>½ inch, Turbine Assy Kit</td>
<td>125513-04</td>
<td>1 inch, Computer Assy Kit w/Pulse</td>
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<tr>
<td>125508-04</td>
<td>½ inch NPT, PVC Turbine Assy Kit</td>
<td>125515-04</td>
<td>1 ½ inch, Computer Assy Kit w/Pulse</td>
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<tr>
<td>125510-03</td>
<td>¾ inch, Turbine Assy Kit</td>
<td>125517-04</td>
<td>2 inch, Computer Assy Kit w/Pulse</td>
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<tr>
<td>125510-04</td>
<td>¾ inch NPT, PVC Turbine Assy Kit</td>
<td>113275-1</td>
<td>FM Approved Remote Kit Assembly</td>
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<tr>
<td>125512-03</td>
<td>1 inch, Turbine Assy Kit</td>
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<td>(will not make meter FM Approved)</td>
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<tr>
<td>125512-04</td>
<td>1 inch NPT, PVC Turbine Assy Kit</td>
<td>125206-01</td>
<td>90° Display Adapter Kit</td>
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<td>901002-52</td>
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APPROVALS