DIGITAL PADDLEWHEEL FLOW TRANSMITTERS
Flow and Total Indication, Easy to Read LCD Display, 4-20 mA or Pulse Output

The Series DFMT Digital Paddlewheel Flow Transmitters provide instantaneous, as well as totalizing flow monitoring. The unit offers a user selectable 4-20 mA or pulse output with compact display.

FEATURES/BENEFITS
• The large backlit LCD display defines instantaneous as well as cumulative flow with visual indication bar designating percent of max flow
• Long operation life with high accuracy paddlewheel technology and corrosion resistant PVDF sensor
• Totalizer is user resettable at any time ideal for single batch totalization
• Security password protecting prevents any unauthorized changes

APPLICATIONS
• Cooling towers
• Chemical proportioning or blending
• Industrial water and wastewater treatment
• Cooling water monitoring
• Fluctuating fluid conductivity applications

The Series DFMT2 Remote Digital Paddlewheel Flow Transmitter provides instantaneous, as well as totalizing flow monitoring. The unit offers a user selectable 4-20 mA or pulse output with remote display.

FEATURES/BENEFITS
• Two piece design allows the user to separate the control display from the application, making it ideal in areas where space is limited
• The large backlit LCD display defines instantaneous as well as cumulative flow with visual indication bar designating percent of max flow
• Long operation life with high accuracy paddlewheel technology and corrosion resistant PVDF sensor
• Totalizer is user resettable at any time ideal for single batch totalization
• Security password protecting prevents any unauthorized changes

APPLICATIONS
• Reverse osmosis systems
• Remote flow monitoring
• Cooling towers
• Chemical proportioning or blending
• Industrial water and wastewater treatment
• Cooling water monitoring
• Fluctuating fluid conductivity applications

SPECIFICATIONS
Service: Compatible clean liquids.
Range: See model chart.
Wetted Materials: Sensor and impeller: PVDF; Shaft: Ceramic; O-rings: Fluoroelastomer.
Accuracy: ±1.5% FS.
Repeatability: ±0.5% FS.
Output: Analog: 4-20 mA (750 Ω max. loop resistance); Pulse: NPN square wave output; Frequency: 0 to 2 kHz (adjustable); Pulse width: 0 to 1000 ms (adjustable).
Electrical Connections: Removable screw terminal.
Temperature Limits: Process: -4 to 194°F (-20 to 90°C); Ambient: -4 to 149°F (-20 to 65°C).
Pressure Limit: 145 psi (1.0 MPa).
Power Requirements: 12-24 VDC.
Power Consumption: 2 W.
Display: 2.38 x 1.25˝ (60.33 x 31.75 mm) LCD.
Totalizing Display Maximum: 9,999,999,999.
Process Connection: See model chart.
Enclosure Rating: IP65.
Enclosure Material: ABS plastic.
Weight: See model chart.

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Range GPM (m³/h)</th>
<th>Connection</th>
<th>Weight (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFMT-10A</td>
<td>0.44 to 7.93 (0.1 to 1.8)</td>
<td>3/8˝ NPT</td>
<td>1.06 (0.48)</td>
</tr>
<tr>
<td>DFMT-15A</td>
<td>0.88 to 17.61 (0.2 to 4)</td>
<td>1/2˝ NPT</td>
<td>1.10 (0.5)</td>
</tr>
<tr>
<td>DFMT-20A</td>
<td>1.32 to 26.42 (0.3 to 6)</td>
<td>3/4˝ NPT</td>
<td>1.15 (0.52)</td>
</tr>
<tr>
<td>DFMT-25A</td>
<td>2.20 to 52.83 (0.5 to 12)</td>
<td>1˝ NPT</td>
<td>1.23 (0.56)</td>
</tr>
<tr>
<td>DFMT-40A</td>
<td>6.61 to 105.67 (1.5 to 24)</td>
<td>1-1/2˝ NPT</td>
<td>1.46 (0.66)</td>
</tr>
<tr>
<td>DFMT-50A</td>
<td>8.81 to 176.11 (2 to 40)</td>
<td>2˝ NPT</td>
<td>1.68 (0.76)</td>
</tr>
</tbody>
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</thead>
<tbody>
<tr>
<td>DFMT2-10A</td>
<td>0.44 to 7.93 (0.1 to 1.8)</td>
<td>3/8˝ NPT</td>
<td>1.78 (0.8)</td>
</tr>
<tr>
<td>DFMT2-15A</td>
<td>0.88 to 17.61 (0.2 to 4)</td>
<td>1/2˝ NPT</td>
<td>1.81 (0.82)</td>
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<tr>
<td>DFMT2-20A</td>
<td>1.32 to 26.42 (0.3 to 6)</td>
<td>3/4˝ NPT</td>
<td>1.85 (0.84)</td>
</tr>
<tr>
<td>DFMT2-25A</td>
<td>2.20 to 52.83 (0.5 to 12)</td>
<td>1˝ NPT</td>
<td>1.94 (0.88)</td>
</tr>
<tr>
<td>DFMT2-40A</td>
<td>6.61 to 105.67 (1.5 to 24)</td>
<td>1-1/2˝ NPT</td>
<td>2.20 (1.0)</td>
</tr>
<tr>
<td>DFMT2-50A</td>
<td>8.81 to 176.11 (2 to 40)</td>
<td>2˝ NPT</td>
<td>2.43 (1.1)</td>
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