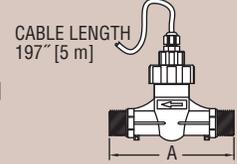
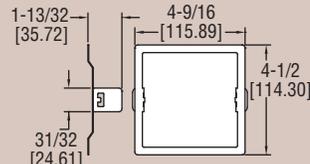
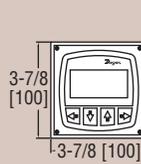




Series  
DFMT2

# Digital Paddlewheel Flow Transmitter

Flow and Total Indication, Easy to Read LCD Display, Remote Indication



Remote Mounting Bracket  
(Stainless Steel)



Scan here  
to watch  
product video

| Range<br>(m <sup>3</sup> /h) | Male<br>NPT | Press.<br>(MPa) | A               |
|------------------------------|-------------|-----------------|-----------------|
| 0.1-2                        | 3/8"        | 1.0             | 4-3/4" (121 mm) |
| 0.2-4.09                     | 1/2"        | 1.0             | 5-1/8" (130 mm) |
| 0.3-5.91                     | 3/4"        | 1.0             | 5-5/8" (142 mm) |
| 0.5-11.36                    | 1"          | 0.8             | 5-1/2" (141 mm) |
| 1.5-23.85                    | 1-1/2"      | 0.8             | 6-7/8" (175 mm) |
| 2-40.88                      | 2"          | 0.8             | 6-7/8" (175 mm) |

The Series DFMT2 Remote Digital Paddlewheel Flow Transmitter is a two piece digital flow transmitter that provides instantaneous, as well as totalizing flow monitoring. The two piece design allows the user to separate the control panel from the application, making it ideal for industrial use in reverse osmosis water purifying systems and any other applications where space is limited. The large backlit display makes navigating through the menu structure simple. The Series DFMT2 uses high accuracy, industry proven paddlewheel technology, offers a user selectable 4 to 20 mA or pulse output, and has a corrosion resistant PVDF sensor giving it a long operation life. Users can reset the totalizer at any time and set a security password protecting the system settings from unauthorized changes.

| Model     | Range<br>GPM (m <sup>3</sup> /h) | Connection | Weight<br>lb (kg) |
|-----------|----------------------------------|------------|-------------------|
| DFMT2-10A | 0.44 to 7.93 (0.1 to 1.8)        | 3/8" NPT   | 1.76 (0.8)        |
| DFMT2-15A | 0.88 to 17.61 (0.2 to 4)         | 1/2" NPT   | 1.81 (0.82)       |
| DFMT2-20A | 1.32 to 26.42 (0.3 to 6)         | 3/4" NPT   | 1.85 (0.84)       |
| DFMT2-25A | 2.20 to 52.83 (0.5 to 12)        | 1" NPT     | 1.94 (0.88)       |
| DFMT2-40A | 6.61 to 105.67 (1.5 to 24)       | 1-1/2" NPT | 2.20 (1.0)        |
| DFMT2-50A | 8.81 to 176.11 (2 to 40)         | 2" NPT     | 2.43 (1.1)        |

## 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 to 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 to 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.

FLOW

Flow Transmitters,  
Paddlewheel, In-Line