



# MEMFlo™ MFT2

## 2-WIRE FLOW TRANSMITTER



### DESCRIPTION

The MFT2™ two-wire flow transmitter accurately calculates and outputs flow rate. Compatible with any MEMFlo variable area flow meter, MFT2™ combines FLO-CORP's time-proven variable area technology with a high tech processor and solid state circuitry. Each device includes an analog output that can be configured for 0-5 VDC, 0-10 VDC, or 4-20 mA current loop. Typical applications include pump flow output, compressed air consumption, cooling flow monitoring, steam flow usage/optimization and combustion gas metering.

### FEATURES & BENEFITS

- Non-contact sensor electronic
- Electronic signal conditioning circuit
- 3 output modes: 4-20mA, 0-5 VDC or 0-10 VDC
- Proportional analog output - two-wire, 4-20mA
- Designed to slip over any standard measuring tube
- Pre-calibrated from the factory for fast installation and start-up
- Optional Epoxy Coated Aluminum Enclosure for durable, rugged applications

### APPLICATION PHOTO



### SPECIFICATIONS

General	
<b>Process Temperature</b>	F: -20° to 240° C: -29° to 116°
<b>Ambient Temperature</b>	F: -20° to 158° C: -29° to 70°
<b>Environmental</b>	Humidity: 0-90% non-condensing
<b>Accuracy</b>	±1% 0.25% rate
<b>Repeatability</b>	±0.10% rate
Electrical	
<b>Power Requirements</b>	0.5 VDC Output 10-30 VDC @ 3 wire 0-10 VDC Output 12-30 VDC @ 3 wire 4-20 mA Output loop-powered, 12 VDC - 30 VDC - 2 wire
<b>Power Consumption</b>	25 mA maximum
<b>Analog Outputs</b>	0-5 VDC and 0-10 VDC into 10,000 Ohms minimum; 4-20 mA into 1000 Ohms maximum
<b>Resolution</b>	1:4000
<b>Transmission Distance</b>	4-20 mA limited by cable resistance (4000') 0-5 VDC 1000 feet (330m) maximum 0-10 VDC 1000 feet (300m) maximum
<b>Circuit Protection</b>	Reverse polarity and current limiting
<b>Isolation</b>	Inherently isolated from the piping system
<b>Transient Over-Voltages</b>	Category 3, in accordance with IEC 64
<b>Temperature Drift</b>	50 ppm/°C (Max)
<b>Enclosure Rating</b>	NEMA 4 (IP67) ; NEMA 7, Aluminum

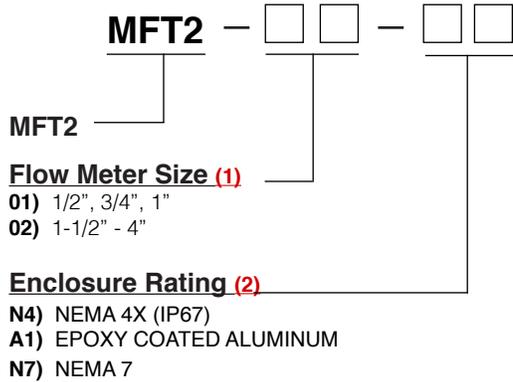
# Ordering Information

## FLO-CORP MODEL NUMBER BUILDER

For Assistance Call **877.356.5463**

Use the diagram below, working from left to right to construct your FLO-CORP Model Number.  
Simply match the category number to the corresponding box number.

**Example: MFT2-01-N4** MEMFlo MFT2™ Flow Transmitter for 3/4" flow meter with NEMA 4X Enclosure



### NEMA 4X Enclosure



### Aluminum Enclosure



#### Ordering Notes:

(1) Select the best configuration based on your requirements.