

A Higher Level of Performance



Data Sheet

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# MEMFIo™ MFT2

## 2-Wire Flow Transmitter

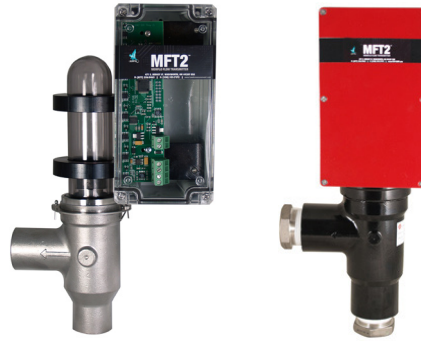


For more information, please visit >  
[www.hawkmeasurement.com](http://www.hawkmeasurement.com)

# Overview & Specifications

MEMFlo™ MFT2

2-Wire Flow Transmitter



## Principle of Operation

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.

## Specifications

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

## Application Photo



## Features and 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

# Ordering Information

MEMFlo™ MFT2

2-Wire Flow Transmitter



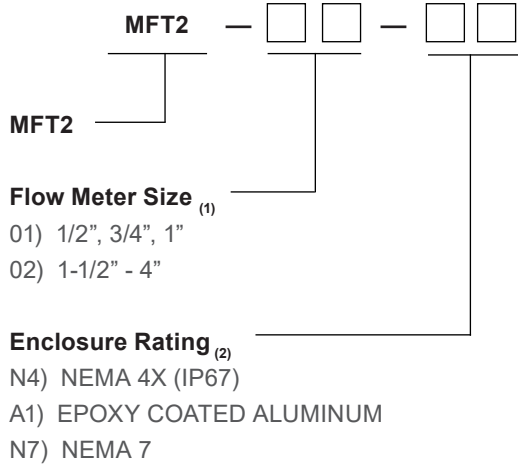
## Ordering Information

### HAWK Model Number Builder

Use the diagram below, working from left to right to construct your HAWK 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



Ordering Notes:

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

### NEMA 4X Enclosure



### Aluminum Enclosure



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Additional product warranty and application guarantees upon request.

Technical data subject to change without notice.

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