

## EDM - Electronic Water Meter

### Benefits and Features



- Economical PVC Construction
- Flowrate Indication with Resettable and Non-Resettable Totalizers
- Flow Ranges 1-10 GPM through 60-600 GPM/ 3.8-38 LPM through 227-2271 LPM Water
- Lithium Battery Powered Indicator Requires no Local Supply Power
- Excellent Replacement for Mechanical Totalizers

### General Description

The EDM series water flowmeter is excellent for accurately totalizing water and other low viscosity liquids. It features an economical PVC body and lithium battery powered LCD display. The display has a resettable batch totalizer and a nonresettable grand totalizer, as well as rate indication. These displays are accessed by a toggle push button on the face. The EDM is factory calibrated for water flow. This calibration is valid for low viscosity liquids up to 10 centistokes viscosity. For higher viscosity liquids, a field calibration mode exists allowing the user to dispense a known volume of liquid in order to calibrate the EDM's computer for the higher viscosity liquid. The EDM electronic water meter is available in line sizes from 1/2 to 4 inches. Fittings available are PVC socket or NPT threads (150 LB ANSI Flanged connections also available for 3" and 4" units). The EDM series combines economy with a full featured electronics making it an excellent and economical replacement for metal body mechanical water totalizers.

#### Onboard Display Features

Flowrate indication, one user resettable batch totalizer, one non-resettable grand totalizer, field calibration routine for higher viscosity liquids (100 cPs Max.).

### Specifications

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**Available Flow Ranges:** 1-10 GPM to 60-600 GPM/ 3.8-38 LPM to 227-2271 LPM water  
**Allowable Liquids:** Clean non-coating liquids compatible the with wetted parts  
**Accuracy:**  $\pm 3\%$  of reading  
**Repeatability:**  $\pm 0.1\%$  of reading  
**Max. Pressure:** 225 PSIG at 70°F  
**Oper. Temp. Range:** 32 to 140°F  
**Straight Piping Rqmt:** 10 x D upstream, 5 x D downstream

#### Watted Parts

**Body:** PVC  
**Rotor:** PVDF (Kynar®), Acetal (for 3" & 4" units)  
**Bearings:** Ceramic, PEEK (for 3" & 4" units)  
**Axle:** Tungsten carbide SS (for 3" & 4" units)  
**Retaining Ring:** 316 SS  
**Display Power Source:** 2 x 1.5V lithium batteries  
**Battery Life:** 5 years  
**Power Saver Feature:** Display blanks when flow ceases for longer than one minute  
**Filtration Required:** 60 mesh  
**Pulse Output Option:** Open Collector (NPN)

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### Ordering Information

Ordering Details (Example: EDM-8506F)

Fitting Size	Flow Range water		dP at Max. Flow [PSI]	Shipping Weight [lbs]			Base Model	Fitting Style	Option
	GPM	LPM		[N]	[S]	[F]			
1/2"	1 - 10	3.8 - 38	7.9	0.55	0.38	-	EDM-8501	N = NPT S = Socket F = Flange*	SC = Add-on pulse frequency transmitter kit in place of display
3/4"	2 - 20	7.6 - 76	7.5	0.67	0.43	-	EDM-8502		
1"	5 - 50	18.9 - 189	5.0	0.88	0.49	-	EDM-8503		
1 1/2"	10 - 100	38 - 380	4.0	1.38	0.66	-	EDM-8504		
2"	20 - 200	76 - 760	4.0	1.78	0.78	-	EDM-8505		
3"	40 - 400	151 - 1510	TBD	3.9	2.4	5.8	EDM-8506		
4"	60 - 600	227 - 2271	TBD	6.1	3.7	9.2	EDM-8507		

\*Option F only available for 3" and 4" meters