

EDM ELECTRONIC WATER METER



Flow
Pressure
Level
Temperature
Measurement
Monitoring
Control



- 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



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Model:
EDM



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 pushbutton 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.

Specifications

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: ±3% of reading

Repeatability: ±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



KOBOLD EDM Electronic Water Meter

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.).

Wetted 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)

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