

# Battery Powered Rate Meter and Totalizer for Water



measuring  
•  
monitoring  
•  
analyzing

## EDM-8000



- Economical PVC Construction
- Flowrate Indication with Resettable and Non-resettable Totalizers
- Compact and Portable
- Range: 1...10 GPM to 60...600 GPM  
3.8...38 LPM to 227...2271 LPM
- Lithium Battery-Powered Indicator
- Ideal Replacement for Mechanical Water Totalizers



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**Authorized Distributor:**  
**ControlSystemsUsa.com**  
Houston, TX USA  
832-615-3588  
sales@ControlSystemsUsa.com



**Battery Powered Rate Meter and Totalizer for Water Model EDM-8000**

**Description**

The EDM-8000 series flowmeter accurately measures and totalizes water and other low-viscosity, water-based, or compatible liquids. It features an economical, yet rugged, PVC body. The lithium battery-powered LCD display has a resettable batch totalizer, a non-resettable grand totalizer, and rate indication. The EDM is factory calibrated for water and is also suitable for other low-viscosity liquids up to 10 centistokes. If needed, the unit can be field calibrated through an onboard display routine. It is available in line sizes from 1/2" to 4". Available process connections include: PVC glue sockets or female NPT fittings. Additionally, 150# ANSI flanges are offered for 3" and 4" models.



**Specifications**

**Flow Ranges (Water):** 1...10 GPM to 60...600 GPM  
3.8...38 LPM to 227...2271 LPM

**Compatible Media:** Water, water-based, or suitable non-coating liquid with a viscosity <10 cSt and fully compatible with all wetted parts

**Accuracy:** ±3% of reading

**Max. Pressure:** 225 PSIG @ 73 °F

**Oper. Temp. Range:** 32...140 °F

**Straight Piping Req:** 10 x D upstream  
5 X D downstream

**Wetted Parts**

**Body:** PVC

**Rotor:** PVDF (Acetal for 3" and 4")

**Bearings:** Ceramic (PEEK for 3" and 4")

**Axle:** Tungsten Carbide (SS for 3" and 4")

**Retaining Ring:** 316 SS (Fittings less than 1")

**Magnet:** Ferrite (3" and 4" only)

**Display:** 6-Digit LCD

**Display Units of Measure:** Total gallons, GPM, total liters, LPM

**Display Power Source:** 2 x 3V lithium batteries

**Avg. Battery Life:** 5 years typical

**Power Save Feature:** Display turns off when flow ceases for more than one minute

**Filtration Requirements:** 1/2" ... 1" = 55 mesh (125 micron)  
1 1/2" ... 2" = 28 mesh (500 micron)  
3" ... 4" = 14 mesh (1300 micron)

**Pulse Output Option ..SC (Replaces Display):** Open Collector (NPN)

**Order Details (Example: EDM-8506N)**

Fitting Size	Flow Range (Water)		dP at Max. Flow (PSI)	Base Model	Fitting Style	Option
	GPM	LPM				
1/2"	1...10	3.8...38	8.0	EDM-8501..	..N = Female NPT  ..S = Glue Socket  ..F* = 150# ANSI Flange	..SC = Add-on Pulse Frequency Transmitter Kit in Place of Display
3/4"	2...20	7.6...76	8.0	EDM-8502..		
1"	5...50	18.9...189	5.0	EDM-8503..		
1-1/2"	10...100	38...380	4.0	EDM-8504..		
2"	20...200	76...760	4.0	EDM-8505..		
3"	40...400	151...1510	5.0	EDM-8506..		
4"	60...600	227...2271	7.0	EDM-8507..		

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