

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



Order from: **C A Briggs Company**
622 Mary Street; Suite 101; Warminster, PA 18974
Phone: 267-673-8117 - 800-352-6265; Fax: 267-673-8118
Sales@cabriggs.com - www.cabriggs.com

KOBOLD Instruments, Inc.
1801 Parkway View Drive
Pittsburgh, PA 15205



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.

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