

EveryDropMeters



Product Description:

Everydrop's Model 1001-EX is a **battery powered** 1" vortex flowmeter that provides highly accurate, real time flow monitoring with totalization. It provides an always-on digital display with flowrate in gallons/minute, totalization in gallons, leak detect, and over range. Model 1001-EX includes the upstream length and unions. **It is display only-no interface.**

General Specifications:

Size	1"
Flow Range (Indicated)	0.5 to 30.0 GPM (0.1 GPM resolution)
Accuracy	
- RANGE 1.0 to 20.0 GPM	+/-2% of reading
- RANGE 20.1 to 30.0 GPM:	Usable Over-range, Accuracy Not Guaranteed (~2%)
- RANGE 0.5 to 0.9 GPM:	Leak Detect Range (Slower update rate; Not specified)
Update Rate	
-RANGE 1.0 to 30.0 GPM	1.5 seconds
-RANGE 0.5 to 0.9 GPM	< 1 minute (typically ~10 seconds)
Pressure Loss at 20GPM	Less than 1.5 psid
Burst Pressure	350 psi minimum
Operating Temperature	32 F to 140 F
Construction Materials	
-Vortex Generator	Stainless Steel
-Vortex Sensor	EPDM Rubber (wetted surface)
-Meter Body	ABS (and PVC pipe 6" extension)
LCD Display	
-Flowrate (GPM)	3 digit, 0.1 GPM resolution
-Flow Total (Gallons)	8 digit, 0.1 Gallon resolution (Non-volatile)
-Alerts	Out of flow range, Leak Detect
-Auto Reset	10 Million gallons (not user resettable)
Battery Life	2-3 years (based on ~20% Flow Active)

EveryDropMeters

Installation Specifications:

Connections	PVC 1" Union adapter included
Meter Orientation	All orientations acceptable *pipe must be full
Special Requirements	Pipe must be full for operation. Flows over 30gpm may shorten life of meter.
Vibration	Meter has some susceptibility to vibration. Do not mount rigidly to a pump or vibration source. False flows up to 1.5gpm can result.

Electrical Interface Specifications:

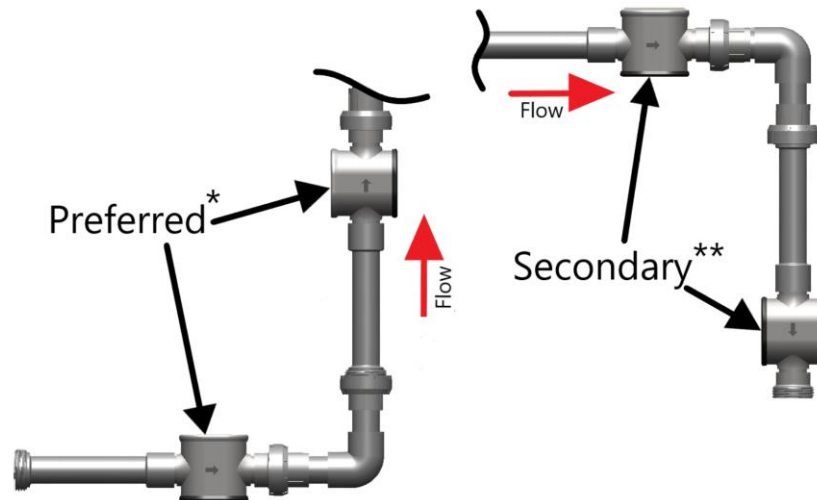
Power:	Battery, 2 AA (Included)
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Installation Guidelines:

[See 1" irrigation flowmeter installation guide for detailed instructions](#)

A vortex flowmeter requires the pipe be **FULL AND FREE OF AIR BUBBLES AT ALL TIMES** for the meter to function properly. See Diagram A.

Diagram A: General installation guidelines to ensure a full flow meter



*Guaranteed operation with stable flows

**Will function with full pipe with >10 psi back pressure (over 95% of sprinkler zones will meet these criteria. Zones with high flows or long runs are more susceptible to requiring the preferred location.)

EveryDropMeters

Warranty and Legal

-Exposure to flows over 30gpm will invalidate performance specifications AND warranty.

-This meter has NOT been certified for potable water. (Wetted materials are ABS, PVC, stainless steel, and EPDM rubber)



Parts Included: Battery cover, 2 AA batteries, 6x32 screws.