



SunSonic®

Umeter® N-Line

Ultrasonic Water Meter



Applications

The Umeter® Ultrasonic Water Meter detects large flow ranges with the highest accuracy by using ultrasonic technology and no moving parts. The Umeter® N-Line patented design uses a low pressure loss tube, brass-threading, and fortified polymer material to supply stable accuracy over its entire life.

Standard Features

- NTEP certified for use in all orientations, angles, and directions.
- Smart Protocols.
- UL Certified and Listed:
 - UL 1951 Electric Plumbing Accessories.
 - UL 2043 Plenum-Rated Compliant.
- NSF certified.
- No moving parts.
- Hot and cold water applications.
- Most versatile communication output.
- Suspected Leak Detection.

Umeter® N-Line Design

The patented Umeter® N-Line combines its low pressure loss tube, brass integrated threads, and its polymer material for maximum pressure capabilities.

- N-Line tube is a robust polymer material containing 50% fiberglass.
- Available in 3/4 inch (-075) and 1 inch (-1).
- Brass-threaded end connections.
- Flow conditioner.

Smart Protocols

Smart Protocols are shown on the LCD screen and can be sent to optional devices.

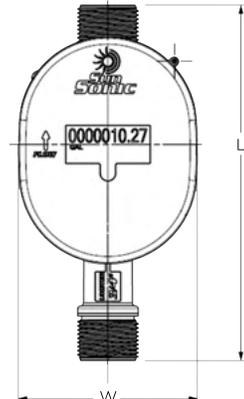
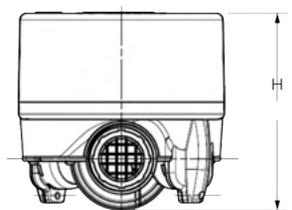
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|--|--------------------------|---|-------------------|
|  | General Alerts |  | Reverse Flow |
|  | Suspected Leak Detection |  | Empty Pipe |
|  | Suspected Burst Pipe |  | Battery Indicator |

Outputs

Three outputs in one meter for versatile communication with most all devices such as wireless transmitters, remote readouts, and utility type information.

- Pulse output.
- Encoded output (Sensus Protocol).
- Smart Protocol.

Product Specifications

Umeter® Series Size	3/4 in.	1 in.
Flow Range	0.05 - 35 gpm.	0.15 - 55 gpm.
Umeter®-N-075 weight	1.10 lbs.	
Umeter®-N-1 weight	1.15 lbs.	
Umeter®-N-075 (L x W x H)	7.50 in. x 3.78 in. x 3.76 in.	
Umeter®-N-1 (L x W x H)	10.75 in. x 3.78 in. x 3.76 in.	
Typical pressure loss	2 psi max	
Meter Flow Orientation	Any orientation, angle, and/or direction	
Storage Temperature	-20° - 140°F (-28.9° - 60°C)	
Measured-fluid Temperature Range	36° - 140°F (2.2 - 60°C)	
Battery	Replaceable 10-year battery life	

