



# Sun Sonic®

## 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.



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         |                |  |



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