



Watasensor

Smart Water Valve Wasservalue™

Monitor water usage and detection of water leak and pipe burst and real-time shutoff valve to prevent water damage

Overview

The Wasservalue is a smart water valve based on an ultrasonic water measurement technique that provides users a new way to monitor water usage, and critical protection of water damage. It can detect water leakage and pipe burst in real time and instantly shut off the water supply to mitigate a costly water damage. Upon detection of water leakage and pipe burst, a notification is also sent over Internet to the user's smart phones via cellular and broadband networks. It's a compact and streamlined water valve, can be installed into the water main line in any direction. It provides you a peace of mind, a way to use water more efficiently, and seamlessly interacts with your Smartphones, and tablets over Internet anytime and anywhere.



Key Features

Measure the flow rate and cumulative flow rate of water in a closed full pipe based on ultrasonic measurement principle

- High measurement accuracy and reliable
- No wear & no moving parts, low head loss
- Automatic valve close immediately:
 - Water leakage or pipe burst
 - Battery drops to the low limited level

Meter sizes

- 3/4", 1", 1-1/4", 1-1/2"

Pipe material

- Copper

Shutoff valve

- Stainless ball valve

Working conditions

- Water temperature: 0~30(50) °C
- Working pressure: ≤1MPa
- Pressure rating: Δ P40
- Installation environment: Class B
- Electromagnetic environment: Class E1
- Waterproof rating: IP68

Register housing & Lid

- PPS plus fiber glass

Installation in almost any direction

Implementing standards

- ANSI/AWWA C715
- NSF/ANSI standard 61&372

Networks

- LTE CAT M1
 - Two-way communication with cloud base sever (AWS)
- Lora Network
 - Manage and control up to eight subordinate shutoff valves

Battery power

- 10 years and replaceable

Agency listings

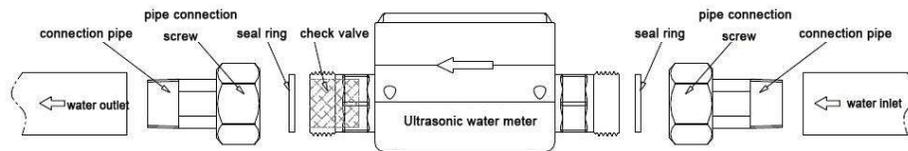
- FCC & CE

App Compatibility

- iOS 11 or later, compatible with iPhone or iPad,
- Android 6 or later, phone or tablet

Installation

The water meter can be installed horizontally or vertically. It can be installed in the water meter well in addition to the indoor and water meter boxes. **The installation should be such that the water outlet of the pipeline is higher than the upper plane of the water meter, ensuring that the pipe section of the water meter is always in a full state.**



Installation diagram

Installation notes:

In order to ensure the safety of use, please read the following precautions carefully before operation. Watasensor Inc. is not responsible for any damage or accident caused by illegal installation.

1. Before installation, please make sure that the surrounding environment is non-toxic and away from dangerous, irritating and corrosive sources of danger.
2. In the installation of explosive and flammable materials, effective protective measures shall be taken in accordance with professional protection regulations.
3. Do not touch the nozzle with your hand to avoid the finger being damaged by burrs or crushed;
4. Thoroughly flush the pipeline before installing the water meter.
5. Pay attention to the size of the water meter and ensure that there is enough installation and maintenance space on site.
6. The side of the water meter points in the direction of the water flow along the arrow, the liquid crystal and the swipe area face the direction of easy observation and card swiping operation, and the watch body can be tilted.
7. Water meters are only allowed to be installed and disassembled by trained personnel.

User case

Home owners worry about the house and property when they are away. The ultrasonic measurement technique that provides users a new way to monitor water usage, and critical protection of water damage, delivering accurate usage data in real time. It's simple to install and mounts to your main water line in minutes. It can detect water leakage and pipe burst in real time and instantly shut off the water supply to mitigate a costly water damage. Upon detection of water leakage and pipe bust, a notification is also sent over Internet to the user's smart phones via cellular and broadband network/. It's simple to install and mounts to your main water line in any direction

The client apps

Get leak detection alerts in real time and take action to protect your home. Customize alerts to fit your water habits and adjust sensitivity while you're away. Our app lets you track usage by the hour and compare over time, helping you become the most water-efficient house on the block.

Homeowners

With easy self-installation and setup, homeowners can customize leak alerts and prevent water damage. They can also use the app to track water usage and find ways to conserve.

Professionals

Contractors and plumbers can suggest our easy-to-install monitor as extra protection from water damage, an upgrade to existing water systems, or as part of a smart home package.

Service Providers

Smart-home companies, and home insurance companies can suggest Wasservalue as a way to help customers protect their property and prevent costly water damage.



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