



SKYWELL Ultrasonic Smart Water Meter



OVERVIEW

The SKYWELL Ultrasonic Small-Diameter Water Meter is an advanced, integrated intelligent measuring device that utilizes ultrasonic time-difference technology to ensure accurate water measurement.

With a sleek design, easy installation, and precise performance, this water meter offers stable operation, robust anti-fouling and anti-corrosion properties, and a high level of safety and reliability. It is well suited for a wide range of application scenarios.



HIGHLIGHTS

Low-power design with a battery life of up to 10 years

IP68 waterproof design for reliable performance in harsh conditions

High range ratio (optional) with low starting flow

No mechanical movable parts, ensuring high accuracy and durability

Brass thread connection for superior oxidation resistance

Optional valve control for remote shutoff

Multiple communication interfaces for flexible integration

Automatic leak detection for proactive maintenance

Comprehensive alarm functions for various issues



TECHNICAL PARAMETERS

| Items | Parameter Value |
|-------------------------------------|---|
| Caliber Size | DN10 - DN50 |
| Accuracy | Class B |
| Range Ratio | 160 (optional) |
| Communication Interface | M-BUS, NB-IOT, LORA |
| Temperature Class | T30 (T30 is the standard and can be customized) |
| Pressure Rate | MAP 10/MAP 16 |
| Common Flow Rates | Q3=4.0m ³ /h |
| Environmental Severity Class | Class B |
| Electromagnetic Environmental Class | E1 |
| Operation Life | 10 years |
| Protection Class | IP68 |
| Power Supply | Built-in Lithium battery DC 3.6V |
| Installation Position | Horizontal or vertical |



FEATURES

| | |
|--|--|
| <p>Material: Brass</p> | <p>Applications: Ideal for homes, apartments, garden housing, commercial spaces, residential buildings, malls, portable household use, and more</p> |
| <p>Compliance: Technical specifications meet international standard ISO 4064</p> | <p>Low-power design: Battery life of up to 10 years with IP68 waterproof rating</p> |
| <p>Wide measurement range: Capable of measuring even very small flows</p> | <p>No mechanical movable parts: Protected from impurities in water, ensuring long service life and high accuracy</p> |
| <p>Sealed installation: Double protection (internal and external) with a high-definition LCD panel design that is both simple and practical</p> | <p>Brass thread connection: Provides excellent anti-oxidation properties</p> |
| <p>Communication interfaces: RS485, M-Bus, or alternatives like LoRa/NB-IoT, enabling remote real-time monitoring and management via LAN</p> | <p>Automatic leak detection: Includes abnormal flow and fault alarm features</p> |



ORDER CODE

| | A | B | - | C | - | D | E |
|----------|---|----|---|---|---|---|---|
| SW - SWM | U | 15 | - | V | - | N | P |

A

Technology

Impeller _____ I
 Ultrasonic _____ U
 Photoelectric _____ P

B

Size

DN15 _____ 15mm
 DN20 _____ 20mm
 DN25 _____ 25mm
 DN40 _____ 40mm
 DN50 _____ 50mm

C

Control

Valve _____ V
 No Valve _____ N

D

Communication

Lora _____ L
 NB IOT _____ N
 IC Card _____ I

E

Prepaid Feature

Prepaid _____ P
 Non-Prepaid _____ NP





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