

Smart Water Supply

Smart Ultrasonic Water Meter

▲ Features

- 01 | Innovative structure optimized for small diameter flow
- 02 | Battery level check algorithm
- 03 | Acoustic leak detection of indoor and outdoor



▲ Advantages of Ultrasonic Water Meters

01

Precision consistency
→ Fair billing realized

02

Measurement of small flow
rate → Early leak detection

03

Pressure loss minimization
→ Energy saving

Smart Ultrasonic Water Meter

Equipped with IoT Communication (UM3000series)



LoRa



10yrs



IP68

UM3000 series is innovative water meter including IoT communication function. Without installing IoT device separately, meter data can be transmitted.

Features

- Nominal diameter : 15/20/25mm
- Spool material : lead-free brass & pps
- Low starting flow
- Leak detection algorithm (patented tech)
- Battery level check algorithm (patented tech)
- Long lifespan (over 10 years)



UM3015N

Specifications

UM3000 series			
Model	UM3015B/UM3015N	UM3020B/UM3020N	UM3025B/UM3025N
Nominal diameter	15mm	20mm	25mm
Length of spool	165mm	190mm	225mm
Flow range Q1	0.0064m3/h	0.01m3/h	0.016m3/h
Flow range Q3	1.6m3/h	2.5m3/h	4.0m3/h
Flow range Q4	2.0m3/h	3.125m3/h	5.0m3/h
Communication	NB-IoT / LoRa		
Flow ratio (Q3/Q1)	250/400		
Accuracy	Q1~Q2 : ±5% Q2~Q4:±2%		
Life span	Over 10 years		
Spool material	Lead-free brass & pps		
Reading method	TTL(UART)		
MCU	Low-power 16bit MCU		
Temperature	-20°C ~ 60°C		
Water proof	IP68		
Reading interval	1 hour (changeable from 1 to 24hours)		
Communication interval	4 times/1day (changeable from 1 to 4times)		