



# Smart Ultrasonic Water Meter

Equipped with IoT Communication (UM3000series)



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)		