

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

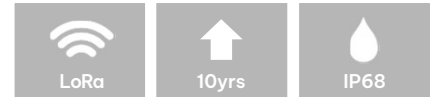
Measurement of small flow rate
→ Early leak detection

03

Pressure loss minimization
→ Energy saving

Smart Ultrasonic Water Meter

Connection to Smart RTU (UM1000series)



UM1000series can be connected to Smart RTU(Remote Terminal Unit) for transmitting data to the server.

Features

- Diameter Normial: 15/20mm
- Spool material : lead-free brass (B) / Polyketone(N)
- Low starting flow
- Leak detection algorithm (patented tech)
- Battery level check algorithm (patented tech)
- Long lifespan (over 10 years)



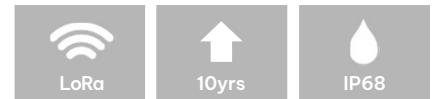
UM1015N

Specifications

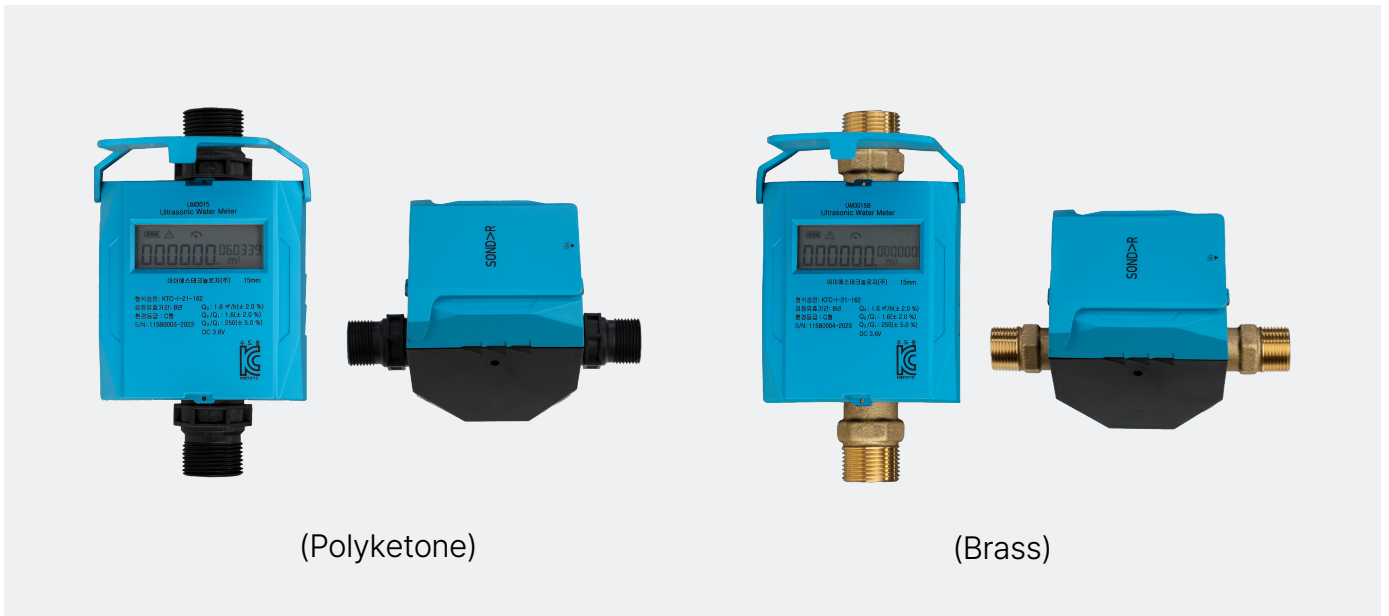
UM1000 series		
Model	UM1015B/UM1015N	UM1020B/UM1020N
Nominal diameter	5/8 in. (15mm)	3/4 in. (20mm)
Length of spool	165mm	190mm
Minimum Test Flow Rate(GPM/m3/h)	0.05 / 0.0114	0.05 / 0.0114
Normal Test Flow Limits(GPM/m3/h)	0.15~20.2 / 0.0341~4.54	0.15~30.3 / 0.0341~7.00
Safe Maximum Operation Capacity(GPM/m3/h)	20 / 4.54	30.8 / 7.00
Maximum Allowable Head Loss at SMOC	10psi	10psi
Typical Pressure loss	4.17psi @13 gpm	2.27 psi @ 15gpm
Reading Method	UART	
Flow ratio (Q3/Q1)	250/400	
Accuracy	Min. Test Flow Rate	3%
	Normal Test Flow Rate	1/5%
Life span	Over 10 years	
Spool material	Polyketone / Lead-free brass	
MCU	Low-power 16bit MCU	
Temperature	-20°C ~ 60°C	
Water proof	IP68	

Smart Ultrasonic Water Meter

Images



UM3000series



UM1000series

