



# SMART ULTRASONIC WATER METER

The LYKW series ultrasonic water meter uses state-of-the-art technology for precise measurement of water consumption. The meter has no moving parts, and it uses an innovative time differential measuring principle.

The ultrasonic flow sensor offers enhanced precision, ensuring that even the lowest flow rates are accounted for accurately. The meter complies with NSF/ANSI/CAN 61 and AWWA C715 standards.

# FEATURES



Ideal for both residential metering, and high-rise submetering applications



Highly precise and can measure even the lowest flow rates accurately



Easy to install, modern, future-proof design



Built-in alerting system allows for prompt notification of leaks, bursts, meter issues and other problems



Immune to electrical conductivity effects of measured fluids



Resistant to hydraulic shock, insensitive to magnetic interference



Low pressure loss, filter and non-return valve typically not necessary



Long battery life (up to 15 years)




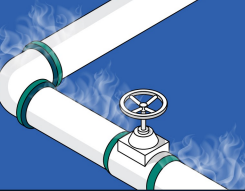








Environmentally friendly, lightweight and compact

# ALERTING SYSTEM

The Smart Alerting System, built directly into the meter, will update the status of the meter and send a notification in the event that an issue is detected.

This enables problems to be fixed before substantial damage is caused.

Alert	Benefits	Alert	Benefits
 <b>Low Flow Leak</b>	Notification of constant low flow water consumption.	 <b>Reverse Flow</b>	Notification of issues with installation or building water supply.
 <b>High Flow Leak</b>	Notification of constant high flow water consumption.	 <b>High Temperature</b>	Notification of excessive water temperature.
 <b>Burst</b>	Notification of burst pipe in residence.	 <b>Memory Error</b>	Notification of meter memory problems.
 <b>Frozen Pipe</b>	Notification of freezing temperatures in the water supply.	 <b>Sensor Error</b>	Notification of meter sensor problems.
 <b>Empty Pipe</b>	Notification of water supply issues or pipe blockage.	 <b>Low Battery</b>	Notification of low battery level.

# SPECIFICATIONS

Diameter	DN15	DN20	DN25	DN32	DN40
Minimum Flow Rate, $Q_i$ (m <sup>3</sup> /h)	0.00625	0.01	0.0252	0.04	0.064
Nominal Flow Rate, $Q_p$ (m <sup>3</sup> /h)	2.5	4.0	6.3	10.0	16.0
Maximum Flow Rate, $Q_s$ (m <sup>3</sup> /h)	3.125	5.0	7.875	12.5	20.0
Length (mm)	165	195	225	180	200
Width (mm)	81	81	81	81	81
Height (mm)	70	70	106	112	115
Accuracy	Class 2				
Turndown Ratio ( $Q_p / Q_i$ )	R125, R160 (T30, T90) R250, R400 (T30)				
Pressure loss at $Q_p$	$\Delta P < 63$ kPa				
Max. Operating Pressure	1.6 MPa				
Water Temperature Limits	Cold: 30°C, Hot: 90°C				
Ambient Temperature Limits	5°C to 55°C				
Storage Temperature Limits	-20°C to 60°C				
Installation Direction	Horizontal and Vertical				
Battery	3.6 V DC, 6-year, 11-year, 15-year battery life				
Data Storage	24 months historical data				
Communication	Lynked RF, LoRaWAN, M-Bus, NB-IoT, RS-485, Pulse				
Standard Compliance	NSF/ANSI/CAN 61, AWWA C715				
Protection Class	IP68				
Environmental Class	B				
Electromagnetic Class	E1				
Mechanical Class	M1				

lynked.io



Connect with us:  
**+1 (888) 311-5577**  
**info@lynked.io**  
**sales@lynked.io**



LBYY24004-V07