



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 10 years)




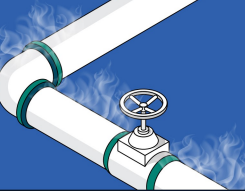








Environmentally friendly, lightweight and compact

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

SPECIFICATIONS

Diameter	DN15	DN20
Minimum Flow Rate, Q_i (m ³ /h)	0.016	0.025
Nominal Flow Rate, Q_p (m ³ /h)	2.5	4.0
Maximum Flow Rate, Q_s (m ³ /h)	3.125	5.0
Length (mm)	165	195
Width (mm)	81	81
Height (mm)	70	70
Accuracy	Class 2	
Pressure loss at Q_p	$\Delta P < 63$ kPa	
Max. Operating Pressure	1.6 MPa	
Water Temperature Limits	Cold: 30°C, Hot: 70°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, 10-year battery life	
Data Storage	24 months historical data	
Communication	Lynked RF, LoRaWAN, M-Bus	
Standard Compliance	NSF/ANSI/CAN 61, EN14154	
Protection Class	IP68	
Environmental Class	B	
Electromagnetic Class	E1	
Mechanical Class	M1	

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