



Embrace The Future With Ultrasonic Water Meter Technology



Application Standards

LXC-15G-40G

Application

Ultrasonic water meter designed for measuring of cold water(T50) and hot water (T90) consumption in households, blocks of flats and for industrial applications.

- M-BUS/RS485 Protocol: EN13757
- Modbus Baud Option: 2400 or 9600
- Pulse Option: 1L/Pulse or 10L/Pulse
- LoRa/LoRaWAN Frequency Rate: 868MHz, 915MHz, 902MHz, 920MHz, etc

Communication

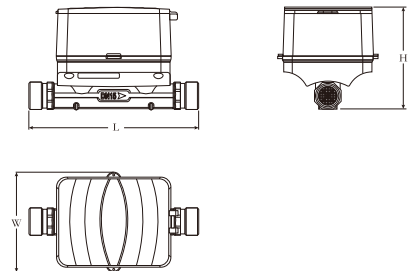


Feature Highlights

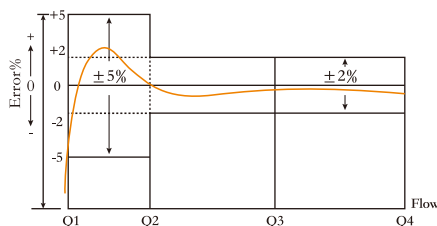
- Max battery life 15 years
- Exceptional IP68 proof
- Install in any position
- No air measuring
- Detecting pipe leaks
- The unique patent design

Dimensions

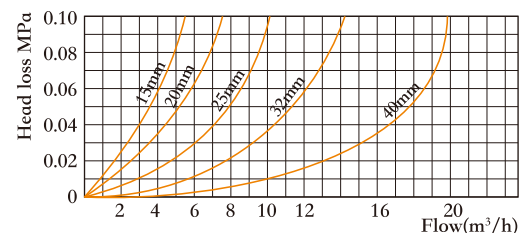
Nominal Diameter (mm)	DN15	DN20	DN25	DN32	DN40
Thread	G3/4B	G1B	G1 1/4B	G1 1/2B	G2B
L (mm)	165	195	225	180	200
H (mm)	85	90	95	115	125
W (mm)	85	85	85	85	85



Error Curve



Head Loss Curve



Main Technical Specifications

	DN15	DN20	DN25	DN32	DN40
Q ₄ (Q _{overload})m ³ /h	3.125	5	7.875	12.5	20
Q ₃ (Q _{max/permanent})m ³ /h	2.5	4	6.3	10	16
Q ₂ (Q _{transitional})m ³ /h	0.01	0.016	0.0252	0.064	0.1024
Q ₁ (Q _{min})m ³ /h	0.00625	0.01	0.01575	0.04	0.064
Start Flow Rate m ³ /h	0.002	0.002	0.003	0.005	0.005
Dynamic Range		R400			R250
Standard	ISO4064 / OIML R49				
Measured Medium	Water				
Metrological Class	Class 2				
Battery	3.6V, Li-battery ER26500(Default) / ER34615				
Water meter life	≥ 20 Years				
Barattery life	≥ 15 Years				
Battery replaceable	Yes				
Consumption	<0.2mW				
Pressure Loss	DN15-DN25: Δp40		DN32-DN40: Δp63		
EMC	E1				
Environmental Classification	Class B				
Protection Class	IP68				
Medium Temperature	T50/T90				
Storage Temperature	-25~55°C				
MAP	PN16				
Accuracy	±5% in range Q ₁ ≤Q<Q ₂ ±2% in range Q ₂ ≤Q≤Q ₄				
Material	Brass 59-1				
The Installation Sensivity	U0/D0				
Climatic and Mechanical Environmental Grades	M1				
Key-press	Touch control technology				
Display	LCD 9 digit + prompt				
Menu Contents	Instantaneous flow (m ³ /h), cumulative flow (m ³), full screen display, meter address, cumulative working time (h), date (year/month/day), caliber, software version				
Display Range	Total flow :0m ³ ~+99999.9999m ³				
Communication	Optical Port, M-bus, RS485, Pulse output, LoRa, LoRaWAN, NB-IoT				
Display and Indication	Unit: L/m ³ /Gal (optional)				
Data Storage	84 months				

Installation Position

