



## 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

M-Bus	RS485	NB-IoT
4G	LoRa	LoRaWAN

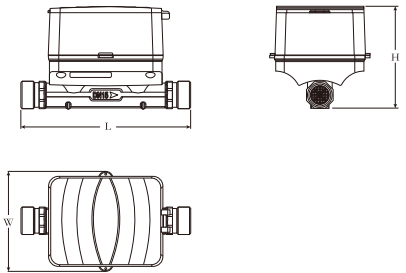


## Feature Highlights

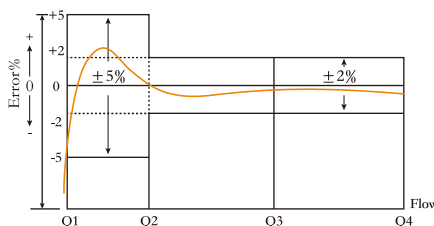
- |                           |                        |                          |
|---------------------------|------------------------|--------------------------|
| Max battery life 15 years | Exceptional IP68 proof | Install in any position  |
| No air measuring          | Detecting pipe leaks  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

## Dimensions

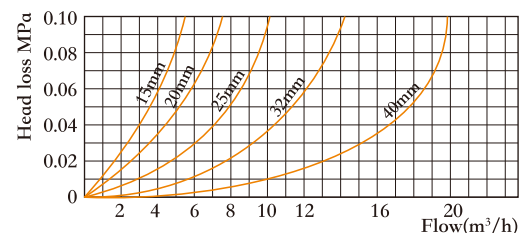
Nominal Diameter (mm)	DN15	DN20	DN25	DN32	DN40
Thread	G3/4B	G1B	G1 1/4B	G1 1/2B	G2B
L (mm)	165	195	225	180	200
H (mm)	85	90	95	115	125
W (mm)	85	85	85	85	85



## Error Curve



## Head Loss Curve



 **Main Technical Specifications**

	DN15	DN20	DN25	DN32	DN40
Q <sub>4</sub> (Q <sub>overload</sub> )m <sup>3</sup> /h	3.125	5	7.875	12.5	20
Q <sub>3</sub> (Q <sub>max/permanent</sub> )m <sup>3</sup> /h	2.5	4	6.3	10	16
Q <sub>2</sub> (Q <sub>transitional</sub> )m <sup>3</sup> /h	0.01	0.016	0.0252	0.064	0.1024
Q <sub>1</sub> (Q <sub>min</sub> )m <sup>3</sup> /h	0.00625	0.01	0.01575	0.04	0.064
Start Flow Rate m <sup>3</sup> /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				
Battery Life	≥10 Years				
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 <sub>1</sub> ≤Q<Q <sub>2</sub> ±2% in range Q <sub>2</sub> ≤Q≤Q <sub>4</sub>				
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 <sup>3</sup> /h), cumulative flow (m <sup>3</sup> ), full screen display, meter address, cumulative working time (h), date (year/month/day), caliber, software version				
Display Range	Total flow :0m <sup>3</sup> ~+99999.9999m <sup>3</sup>				
Communication	Optical interface, LoRaWAN, LoRa RF, M-BUS, RS-485, wM-Bus, NB-IoT, 4G(CAT-1), Pulse output, Sigfox.				
Display and Indication	Unit: L/m <sup>3</sup> /Gal (optional)				
Data Storage	84 months				

 **Installation Position**

