

XINGHANG

Smart Metering



Embrace The Future With Ultrasonic Water Meter Technology



Application Standards

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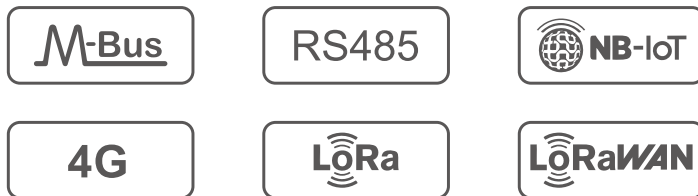
LXC-15G-40G

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

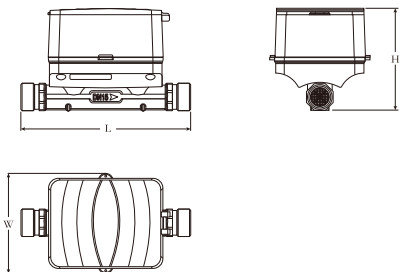


Feature Highlights

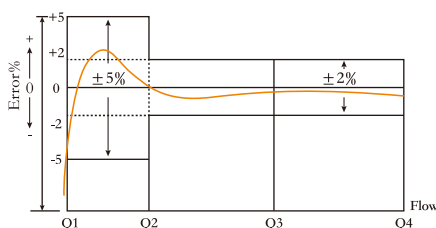
- Max battery life 15 years
- Exceptional IP68 proof
- Install in any position
- No air measuring
- Detecting pipe leaks
- The unique patent design

Dimensions

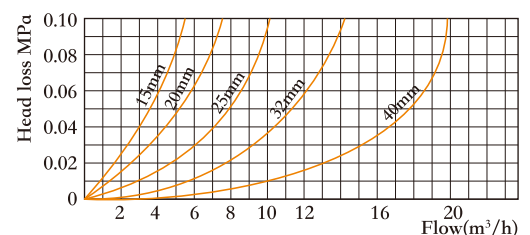
Nominal Diameter (mm)	DN15	DN20	DN25	DN32	DN40
Thread	G3/4B	G1B	G1 1/4B	G1 1/2B	G2B
L (mm)	165	195	225	180	200
H (mm)	85	90	95	115	125
W (mm)	85	85	85	85	85



Error Curve



Head Loss Curve



Main Technical Specifications

	DN15	DN20	DN25	DN32	DN40
$Q_4(Q_{\text{overload}})m^3/h$	3.125	5	7.875	12.5	20
$Q_3(Q_{\text{max/permanent}})m^3/h$	2.5	4	6.3	10	16
$Q_2(Q_{\text{transitional}})m^3/h$	0.01	0.016	0.0252	0.064	0.1024
$Q_1(Q_{\text{min}})m^3/h$	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				
Battery Life	≥10 Years				
Consumption	<0.2mW				
Pressure Loss	DN15-DN25: $\Delta p40$		DN32-DN40: $\Delta p63$		
EMC	E1				
Environmental Classification	Class B				
Protection Class	IP68				
Medium Temperature	T50/T90				
Storage Temperature	-25~55°C				
MAP	PN16				
Accuracy	±5% in range $Q1 \leq Q < Q2$ ±2% in range $Q2 \leq Q \leq Q4$				
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 : $0m^3 \sim +99999.9999m^3$				
Communication	Optical interface, LoRaWAN, LoRa RF, M-BUS, RS-485, wM-Bus, NB-IoT, 4G(CAT-1), Pulse output, Sigfox.				
Display and Indication	Unit: $L/m^3/Gal$ (optional)				
Data Storage	84 months				

Installation Position

