

# XINGHANG

Smart Metering



## Embrace The Future With Ultrasonic Water Meter Technology



Application Standards

**XINGHANG**  
WWW.XINGHANGMETER.COM

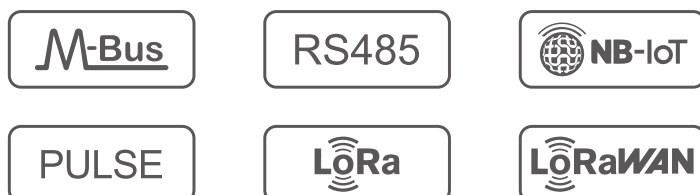
## LXC-15G-40G

### 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

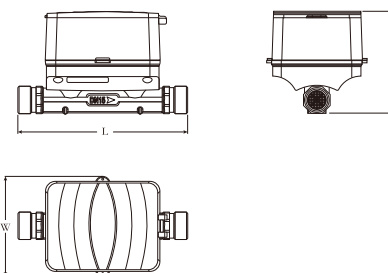


### Feature Highlights

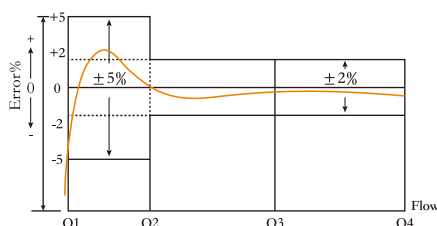
- Max battery life 15 years
- Exceptional IP68 proof
- Install in any position
- No air measuring
- Detecting pipe leaks
- The unique patent design

### Dimensions

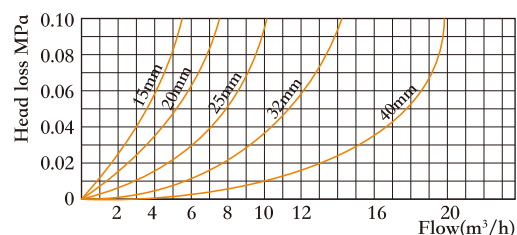
| Nominal Diameter (mm) | DN15  | DN20 | DN25    | DN32    | DN40 |
|-----------------------|-------|------|---------|---------|------|
| Thread                | G3/4B | G1B  | G1 1/4B | G1 1/2B | G2B  |
| L (mm)                | 165   | 195  | 225     | 180     | 200  |
| H (mm)                | 85    | 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 <sub>4</sub> (Q <sub>overflow</sub> )m³/h      | 3.125                                                                                                                                                              | 5     | 7.875           | 12.5  | 20     |
| Q <sub>3</sub> (Q <sub>max/permanent</sub> )m³/h | 2.5                                                                                                                                                                | 4     | 6.3             | 10    | 16     |
| Q <sub>2</sub> (Q <sub>transitional</sub> )m³/h  | 0.01                                                                                                                                                               | 0.016 | 0.0252          | 0.064 | 0.1024 |
| Q <sub>1</sub> (Q <sub>min</sub> )m³/h           | 0.00625                                                                                                                                                            | 0.01  | 0.01575         | 0.04  | 0.064  |
| Start Flow Rate m³/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 Q1≤Q<Q2                                                                                                                                               |       |                 |       |        |
|                                                  | ±2% in range Q2≤Q≤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 (m³/h), cumulative flow (m³), full screen display, meter address, cumulative working time (h), date (year/month/day), caliber, software version |       |                 |       |        |
| Display Range                                    | Total flow :0m³~+99999.9999m³                                                                                                                                      |       |                 |       |        |
| Communication                                    | Optical Port, M-bus, RS485, Pulse output, LoRa, LoRaWAN, NB-IoT                                                                                                    |       |                 |       |        |
| Display and Indication                           | Unit: L/m³/Gal (optional)                                                                                                                                          |       |                 |       |        |
| Data Storage                                     | 84 months                                                                                                                                                          |       |                 |       |        |



## Installation Position

