

# XINGHANG

Smart Metering



## Embrace The Future With Ultrasonic Water Meter Technology



Application Standards

**XINGHANG**  
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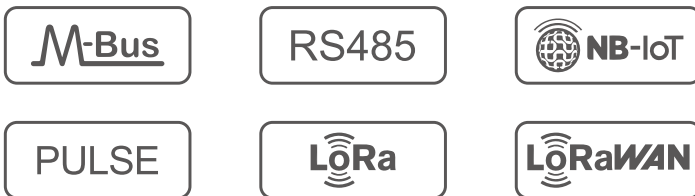
## LXC-15B-25B

### Application

LXC-15B-25B is an exceptional reliability with IP 68. Its body is fabricated from durable PA66 composite with lead free environmental friendly.

- 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

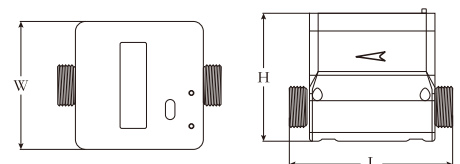


### Feature Highlights

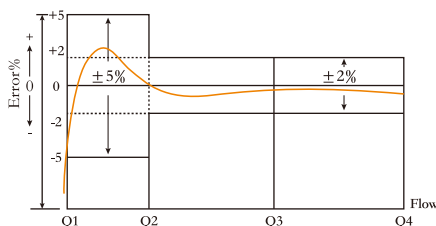
- Max battery life 15 years
- Exceptional IP68 proof
- Install in any position
- Lead free, RoHS
- Detecting pipe leaks
- UV, moisture resistant

### Dimensions

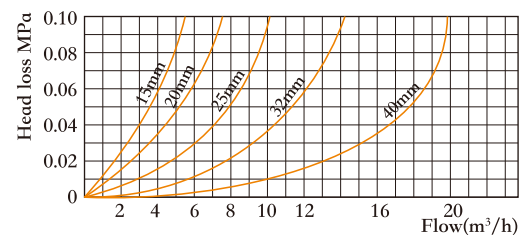
| Nominal Diameter (mm) | DN15  | DN20 | DN25    |
|-----------------------|-------|------|---------|
| Thread                | G3/4B | G1B  | G1 1/4B |
| L (mm)                | 110   | 130  | 160     |
| H (mm)                | 80    | 85   | 90      |
| W (mm)                | 85    | 85   | 85      |



### Error Curve



### Head Loss Curve





## Main Technical Specifications

|                                                    | DN15                                                                                                                                                                                              | DN20   | DN25   |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|
| $Q_4(Q_{\text{overflow}})\text{m}^3/\text{h}$      | 3.125                                                                                                                                                                                             | 5      | 7.875  |
| $Q_3(Q_{\text{max/permanent}})\text{m}^3/\text{h}$ | 2.5                                                                                                                                                                                               | 4      | 6.3    |
| $Q_2(Q_{\text{transitional}})\text{m}^3/\text{h}$  | 0.016                                                                                                                                                                                             | 0.0256 | 0.040  |
| $Q_1(Q_{\text{min}})\text{m}^3/\text{h}$           | 0.010                                                                                                                                                                                             | 0.016  | 0.0252 |
| Start Flow Rate $\text{m}^3/\text{h}$              | 0.003                                                                                                                                                                                             | 0.005  | 0.005  |
| Dynamic Range                                      | R250                                                                                                                                                                                              |        |        |
| Standard                                           | ISO4064 / OIML R49                                                                                                                                                                                |        |        |
| Measured Medium                                    | Water                                                                                                                                                                                             |        |        |
| Metrological Class                                 | Class 2                                                                                                                                                                                           |        |        |
| Battery                                            | 3.6V, Li-battery ER26500(Default) / ER34615                                                                                                                                                       |        |        |
| Battery Life                                       | $\geq 10$ Years                                                                                                                                                                                   |        |        |
| Consumption                                        | $< 0.2\text{mW}$                                                                                                                                                                                  |        |        |
| Pressure Loss                                      | $\Delta p40$                                                                                                                                                                                      |        |        |
| EMC                                                | E1                                                                                                                                                                                                |        |        |
| Environmental Classification                       | Class B                                                                                                                                                                                           |        |        |
| Protection Class                                   | IP68                                                                                                                                                                                              |        |        |
| Medium Temperature                                 | T50/T90                                                                                                                                                                                           |        |        |
| Storage Temperature                                | $-25\sim 55^\circ\text{C}$                                                                                                                                                                        |        |        |
| MAP                                                | PN16                                                                                                                                                                                              |        |        |
| Accuracy                                           | $\pm 5\%$ in range $Q_1 \leq Q < Q_2$                                                                                                                                                             |        |        |
|                                                    | $\pm 2\%$ in range $Q_2 \leq Q \leq Q_4$                                                                                                                                                          |        |        |
| Material                                           | Composite Material                                                                                                                                                                                |        |        |
| The Installation Sensivity                         | U0/D0                                                                                                                                                                                             |        |        |
| Climatic and Mechanical                            | M1                                                                                                                                                                                                |        |        |
| Key-press                                          | Touch control technology                                                                                                                                                                          |        |        |
| Display                                            | LCD 9 digit + prompt                                                                                                                                                                              |        |        |
| Menu Contents                                      | Instantaneous flow ( $\text{m}^3/\text{h}$ ), cumulative flow ( $\text{m}^3$ ), full screen display, meter address, cumulative working time (h), date (year/month/day), caliber, software version |        |        |
| Display Range                                      | Total flow : $0\text{m}^3 \sim +99999.9999\text{m}^3$                                                                                                                                             |        |        |
| Communication                                      | Optical Port, M-bus, RS485, Pulse output, LoRa, LoRaWAN, NB-IoT                                                                                                                                   |        |        |
| Display and Indication                             | Unit: $\text{L}/\text{m}^3/\text{Gal}$ (optional)                                                                                                                                                 |        |        |
| Data Storage                                       | 84 months                                                                                                                                                                                         |        |        |



## Installation Position

