

XINGHANG

Smart Metering



Embrace The Future With Ultrasonic Water Meter Technology



Application Standards

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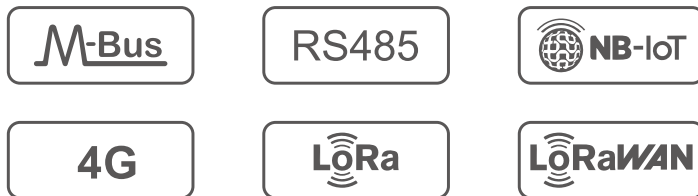
LXC-15F-40F

Application

LXC-15F-40F 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

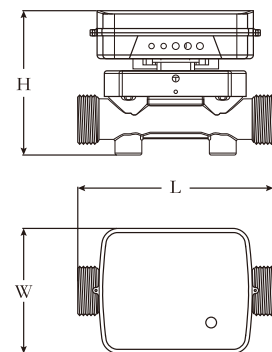


Feature Highlights

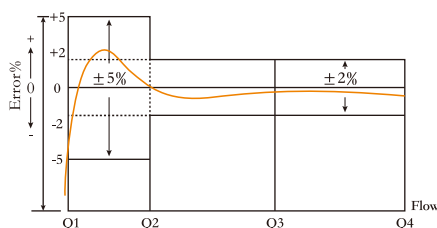
- Max battery life 15 years
- Exceptional IP68 proof
- Install in any position
- No air measuring
- Detecting pipe leaks
- Battery replacement externally

Dimensions

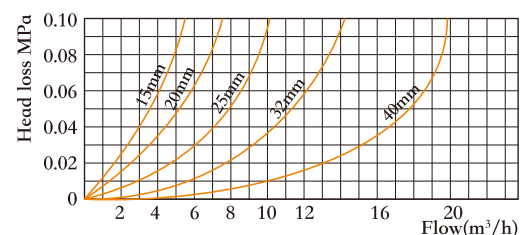
| Nominal Diameter (mm) | DN15 | DN20 | DN25 | DN32 | DN40 |
|-----------------------|-------|------|---------|---------|------|
| Thread | G3/4B | G1B | G1 1/4B | G1 1/2B | G2B |
| L (mm) | 110 | 130 | 160 | 180 | 200 |
| H (mm) | 102 | 110 | 120 | 125 | 130 |
| W (mm) | 95 | 95 | 95 | 95 | 95 |



Error Curve



Head Loss Curve



Main Technical Specifications

| | DN15 | DN20 | DN25 | DN32 | DN40 |
|---|--|-------|----------|--------|-------|
| Q ₄ (Q _{overflow})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 | 0.025 | 0.04 | 0.063 | 0.1 | 0.16 |
| Q ₁ (Q _{min})m ³ /h | 0.015625 | 0.025 | 0.039375 | 0.0625 | 0.1 |
| Start Flow Rate m ³ /h | 0.002 | 0.002 | 0.003 | 0.005 | 0.005 |
| Dynamic Range | R160 | | | | |
| 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 | Δp25 | | | | |
| 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 | U5/D3 | | | | |
| Climatic and Mechanical | 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 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

