

XINGHANG

Smart Metering



Embrace The Future With Ultrasonic Water Meter Technology



Application Standards

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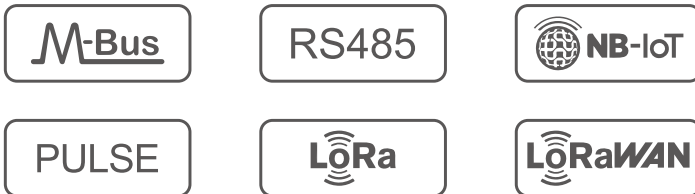
LXC-15B-25B

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

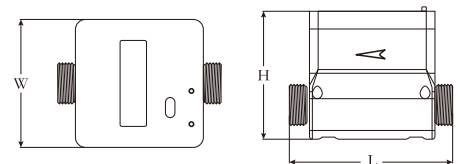


Feature Highlights

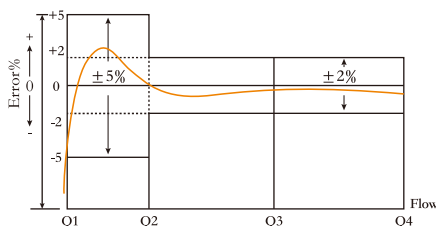
- Max battery life 15 years
- Exceptional IP68 proof
- Install in any position
- Lead free, RoHS
- Detecting pipe leaks
- UV, moisture resistant

Dimensions

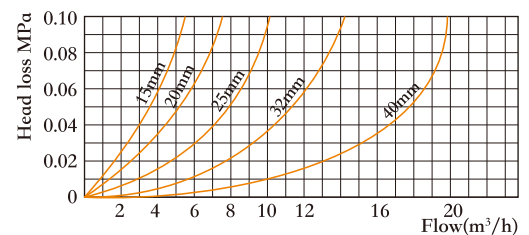
Nominal Diameter (mm)	DN15	DN20	DN25
Thread	G3/4B	G1B	G1 1/4B
L (mm)	110	130	160
H (mm)	80	85	90
W (mm)	85	85	85



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 m^3/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	≥ 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 (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 : $0\text{m}^3 \sim +99999.9999\text{m}^3$		
Communication	Optical Port, LoRaWAN, M-BUS, RS-485, Pulse output, LoRa RF, NB-IoT, 4G (CAT 1)		
Display and Indication	Unit: $\text{L}/\text{m}^3/\text{Gal}$ (optional)		
Data Storage	84 months		



Installation Position

