

XINGHANG

Smart Metering



Embrace The Future With Ultrasonic Water Meter Technology



Application Standards

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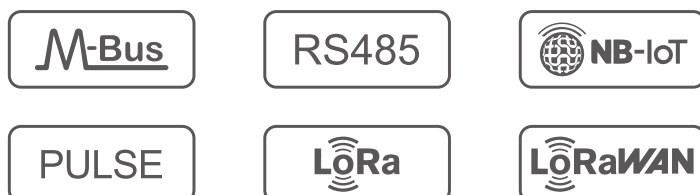
LXC-15F-40F

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

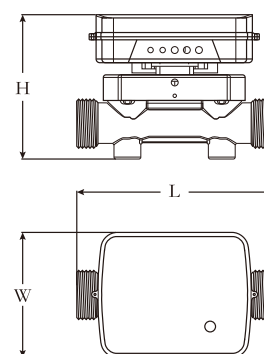


Feature Highlights

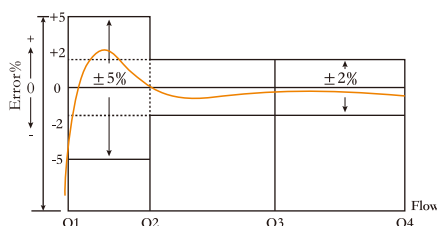
- Max battery life 15 years
- Exceptional IP68 proof
- Install in any position
- No air measuring
- Detecting pipe leaks
- Battery replacement externally

Dimensions

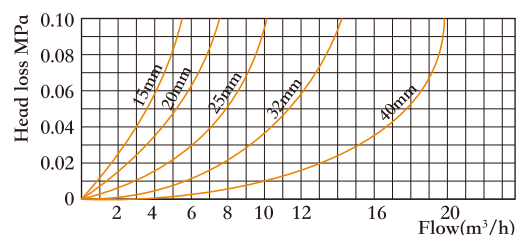
Nominal Diameter (mm)	DN15	DN20	DN25	DN32	DN40
Thread	G3/4B	G1B	G1 1/4B	G1 1/2B	G2B
L (mm)	110	130	160	180	200
H (mm)	102	110	120	125	130
W (mm)	95	95	95	95	95



Error Curve



Head Loss Curve





Main Technical Specifications

	DN15	DN20	DN25	DN32	DN40
$Q_4(Q_{\text{overflow}})\text{m}^3/\text{h}$	3.125	5	7.875	12.5	20
$Q_3(Q_{\text{max/permanent}})\text{m}^3/\text{h}$	2.5	4	6.3	10	16
$Q_2(Q_{\text{transitional}})\text{m}^3/\text{h}$	0.025	0.04	0.063	0.1	0.16
$Q_1(Q_{\text{min}})\text{m}^3/\text{h}$	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	$< 0.2\text{mW}$				
Pressure Loss	Δp_{25}				
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	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 : $0\text{m}^3 \sim +99999.9999\text{m}^3$				
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

