

# LXC-15C-25C

## 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: 865MHz, 868MHz, 915MHz, 902MHz, 920MHz etc

## Communication

M-Bus	RS485	PULSE
NB-IoT	LoRaWAN	4G

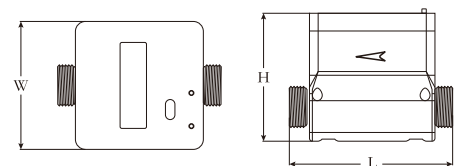


## Feature Highlights

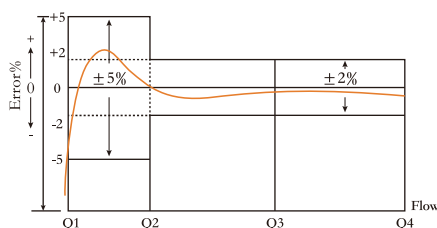
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|---------------------------|------------------------|--------------------------|
| Max battery life 15 years | Exceptional IP68 proof | Install in any position  |
| No air measuring          | Detecting pipe leaks   | The unique patent design |

## Dimensions

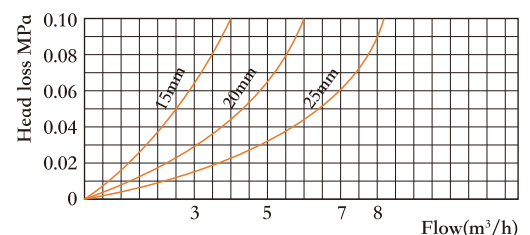
Nominal Diameter (mm)	DN15	DN20	DN25
Thread	G3/4B	G1B	G1 1/4B
L (mm)	110	130	160
H (mm)	80	85	90
W (mm)	85	85	85



## Error Curve



## Head Loss Curve





## Main Technical Specifications

	DN15	DN20	DN25
Q <sub>4</sub> (Q <sub>overload</sub> )m <sup>3</sup> /h	3.125	5	7.875
Q <sub>3</sub> (Q <sub>max/permanent</sub> )m <sup>3</sup> /h	2.5	4	6.3
Q <sub>2</sub> (Q <sub>transitional</sub> )m <sup>3</sup> /h	0.01	0.016	0.0252
Q <sub>1</sub> (Q <sub>min</sub> )m <sup>3</sup> /h	0.00625	0.01	0.01575
Start Flow Rate m <sup>3</sup> /h	0.002	0.002	0.003
Dynamic Range	R400		
Standard	ISO4064 / OIML R49		
Measured Medium	Water		
Metrological Class	Class 2		
Battery	3.6V, Li-battery ER26500(Default) / ER34615		
Water meter life	≥ 20 Years		
Barattery life	≥ 15 Years		
Battery replaceable	Yes		
Consumption	<0.2mW		
Pressure Loss	Δp40		
EMC	E1		
Environmental Classification	Class O		
Protection Class	IP68		
Medium Temperature	T50/T90		
Storage Temperature	-25~55°C		
MAP	PN16		
Accuracy	±5% in range Q <sub>1</sub> ≤Q<Q <sub>2</sub>		
	±2% in range Q <sub>2</sub> ≤Q≤Q <sub>4</sub>		
Material	Brass 59-1		
The Installation Sensitivity	U0/D0		
Climatic and Mechanical	M1		
Key-press	Touch control technology		
Display	LCD 9 digit + prompt		
Menu Contents	Instantaneous flow (m <sup>3</sup> /h), cumulative flow (m <sup>3</sup> ), full screen display, meter address, cumulative working time (h), date (year/month/day), caliber, software version		
Display Range	Total flow :0m <sup>3</sup> ~+99999.9999m <sup>3</sup>		
Communication	Optical Port, M-bus, RS485, Pulse output, LoRa, LoRaWAN, NB-IoT, 4G		
Display and Indication	Unit: L/m <sup>3</sup> /Gal (optional)		
Data Storage	84 months		



## Installation Position

