S7

RESIDENTIAL
ULTRASONIC WATER METER

LXC 15-40

APPLICATION

LXC DN15-40 Ultrasonic water meter is designed for accurate measurement of cold water consumption in households, apartment buildings, and commercial premises.

• Have more accurate measurements;

• No moving parts design to reduce wearing;

• Reliable design supports long-term stable operation;

• The water consumption value can still be accurately obtained at a low flow rate of 13L/h;

• 9 digits LCD. Total volume and instantaneous flow rate indication;

• Low power consumption circuit board design extends service life up to 8 years;

• Ready for AMR with wired and wireless communication technologies.

TECHNICAL FEATURES

• No measurement of air;

• Nominal flow 2.5/4.0/6.3/10.0m³/h;

• Q3/Q1 = R200;

• Supports installation at any position or angle;

• IP 68 suitable for outdoor installations;

• Temperature class T30, T50, ;

• Environment class E1/M1;

• Nominal pressure PN16;

• Bi-directional flow measurements;

• U10/D5,straight pipe sections required before or after the meter;

• Copper body;

• Display with error and alarm codes.

AMR READY

• Wired:RS485 modbus;

• Wired:Pulse;

• Wireless:LoRa,LoRaWAN (EU863-870, AS923, AU915-928, US902-928, IN865-867 channel plans);

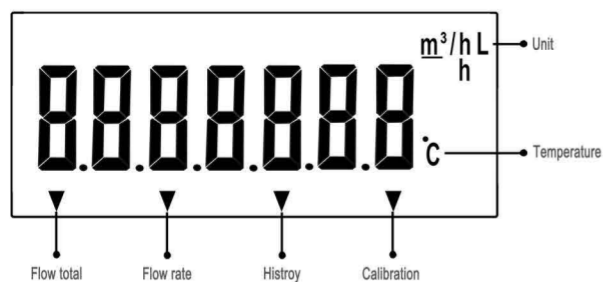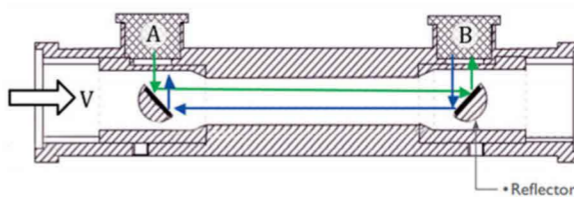• Wireless:NB-IoT (CoAP);

• Wireless:GPRS(2G/4G);

• Infrared reading.

WIRELESS AMR INTERFACES

LCD INDICATIONS AND ALARMS

Unit — $\frac{m^3/h\ L}{h}$

Temperature — ℃

Flow total | Flow rate | Histroy | Calibration

ULTRASONIC MEASURING PRINCIPLE DIAGRAM

Reflector

TECHNICAL FEATURES

Nominal diameter		mm	15	20	25	32	40
Overload flow rate	Q4	m³/h	3.125	5	7.87	12.5	20
Nominal flow	Q3	m³/h	2.5	4	6.3	10	16
Transitional flow	Q2	L/h	0.02	0.032	0.05	0.08	0.128
Min flow	Q1	L/h	0.013	0.02	0.032	0.05	0.08
Measuring range	Q3/Q1		R200				
Minimum reading		L	999999.999				
Max reading		L	99999999.9				
Power supply		V	Built-in lithium battery DC 3.6V				

PERFORMANCE CURVE
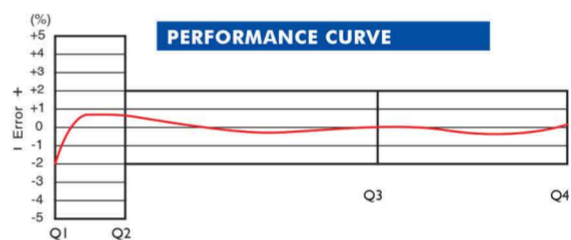
Caliber	Unit	DN15	DN20	DN25	DN32	DN40
L	mm	165	195	225	180	200
L1	mm	260	300	346	305	330
W	mm	95	95	95	95	95
H	mm	86	86	89	100	120
Meter thread		$R\frac{1}{2}$	$R\frac{3}{4}$	$R1$	$R1\frac{1}{4}$	$R1\frac{1}{2}$
Connecting Pipe thread（D）		$G\frac{3}{4}B$	$G1B$	$G1\frac{1}{4}B$	$G1\frac{1}{2}B$	$G2B$
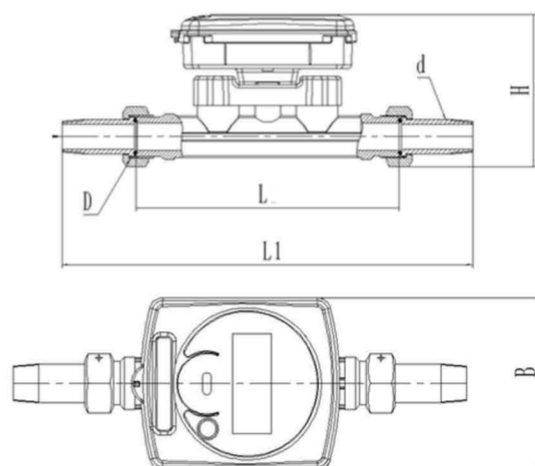
Make every drop of water more valuable