



Aquaflow LXC Ultrasonic Smart Water Meter

Class D, blended UV stabilised engineering plastic bodied ultrasonic type water meter with an easy to use electronic display, and an integrated ball valve disconnect.



APPLICATION

- For the measurement of cold water consumption in households, apartment buildings and small commercial premises where there are challenges with the quality of water.

FEATURES

- Integrated design of electronics, water meter and ball valve.
- UV protected, corrosion and impact resistance glass-filled polymer.
- IP68 protection.
- Low start rate and wide dynamic range.
- Ball valve disconnect.
- Nominal pressure 16 bar.
- Ultra-low power usage design.
- Replaceable battery.
- Display range from 0.01 liters to 9,999,999 cubic meters.
- Superb accuracy and performance in any position.
- Each unit is laser printed with its own unique serial number.
- Includes an internal non-return valve to prevent meter reversal.

COMMUNICATION

- Range of communication modules available
 - Sigfox
 - LoRaWAN
 - NBIoT

STANDARDS

- SANS 1529-9
- ISO4064
- OIML R49
- IEC62368-1
- STS
- EN301489-1
- EN301489-3
- EN300220-1
- EN300220-2

° ∞-U " 0@o

- ° 8 "
- ‡ 'U "
- o 'U "



Specifications

MODEL	Aquaflow LXC	
Nominal Diameter (Bore Size)	15mm	20mm
Meter thread size inches	G3/4B	G1B
Measuring Principle	Ultrasonic Meter	
Accuracy Class	Class D	
Measuring unit	cubic metre (m ³)	
Register	LCD Display	
Installation	Vertical/Horizontal	
Installation Sensitivity	U3/D3	
PERFORMANCE		
Nominal Flow Rate (qn) ±2% m ³ /h	1.5	2.5
Minimum Flow Rate (qmin) (Q1) ±5% l/h	15.0	25.0
Transitional Flow Rate (qt) (Q2) ± 2% l/h	22.5	37.5
Permanent Flow Rate (qp) (Q3) ±2% m ³ /h	1.5	2.5
Overload Flow Rate (qs) (Q4) ±2% m ³ /h	3	5
Nominal Working Pressure (Pn) kPa	1 600	1 600
Maximum flow rate (q/max) ±2% m ³ /h	3	5
Maximum Working Pressure kPa	1 600	1 600
Pressure loss group of meter	P63	P63
Display range min m ³	0.00001	0.00001
Display range max m ³	9,999,999.99999	9,999,999.99999
Starting flow (approximate) (l/h)	5	5
Temperature Class	T50	T50
DIMENSIONS		
Meter length – L mm	165	190
Meter width – W mm	94	94
Meter height – H mm	97	97
Weight kg	1.1	1.3
PACKAGING		
Packaging - Type	Boxed	Boxed
Packaging - Number of units	1	1
Packaging - Dimensions mm	201/106/100	201/106/100
Packaging - Weight kg	1.2	1.4

