



214C
Ultrasonic Water Meter

1 General Information

The wireless valve-controlled ultrasonic water meter is a new type of intelligent all-electronic meter. It integrates measurement, display, valve control and wireless communication and adopts micro-power technology to achieve accurate measurement with a minimum flow of 0.01 m³/h

Achieve multi-angle installation and minimize the pipe pressure loss.

Open/close valve to remotely control the water consumption via communication.

Dedicated to household measurement in residential quarters

The wireless valve-controlled ultrasonic water meter can be connected to the gateway/ concentrator, using GSM mobile public network for data transmission to form a wireless monitoring system. It automatically reports abnormal status.

Standards Compliance

ISO4064:2014/ OIML: R49-2013

Feature

Ultrasonic water meter, No move part design

Low starting flow rate, more sensitive than mechanical water meter

Horizontal and Vertical installation

High accuracy level, digital display

Reserve water flow could be measured

Temperature grade: T30/T50/70

With multi alarm functions

IP68 water proof protection

2 Technical Specification

General Information

Diameter	DN15	DN20	DN25
Length	165mm	195mm	225mm
Q_3 (m ³ /h)	2.5	4	6.3
Start Flow(L/h)	2	2	3
Meteorologic Class	$Q_3/Q_1=100/125/160/250/400/500$;		
Accuracy Class	Class 2		
Pressure Stage	MAP16	Pressure Loss	$\Delta p \leq 63$
Temperature	T30/T50/T70; Default T30		
Data Storage	730 daily data storage , 48 months history data ; (Customization data storage mode according to customer requirements)		
Interface & Communication	Infrared、M-BUS、RS485、NB-IOT、LORAWAN、Zigbee、Pulse (Optional)		
Power	DC3.6V Lithium Battery		
Protection	IP68		
Temperature Requirements	Medium Temperature: 0.1°C-90°C		
	Ambient operating Temperature: 1°C- 70°C		
	Ambient storage Temperature: -15°C- 70°C		
Installation	Horizontal or Vertical		
Durability	Life Period $\geq 6+1$ years		

Dimension

Nominal Diameter	DN15	DN20	DN25
Thread	G3/4	G1	G1 1/4
L(mm)	142	142	142
L1(mm)	165	195	225
H(mm)	98.2	98.2	98.2
W(mm)	102	102	102