



Ultrasonic Water Meter

Ultrasonic water meter is intelligent measuring instruments by the temperature sensor, flow sensors and calculators. Calculator used the sensor and through the water of time difference to collect temperature differences and sound waves to complete accurate measurement of water flow. And it can provide important application and data for many applications in the pipeline.

Mainly used for water metering and monitoring water flow, such as domestic water, central air conditioning systems, equipment, etc.

Function :

1. Support 4-20mA, RS485 etc. communication
2. Remote meter reading.
3. Remote valve control
4. Measure the cumulative flow
5. Water metering data history storage locally
- 6.
7. The water meter measurement data and the remaining battery capacity are automatically uploaded to the server platform and displayed regularly.
8. Low battery capacity alarm
9. Valve failure alarm
10. Screen display battery quantity, water balance, valve status
11. Built-in antenna (spring/soft antenna)
12. External antenna (used under ground)
13. The button triggers the escalation event.



Technical parameters:

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| 1. Size: DN15-DN500 | 7. Battery life:6-10 years |
| 2. Body:Brass/Ductile Iron | 8. Q3/Q1:R500 |
| 3. Working pressure:PN16. | 9. Working temperature: T50 for cold water T90 for hot water |
| 4. Protection class: IP68 | 10. Standards:ISO4064. |
| 5. Connection: Thread/Flange | 11. Accuracy +5% in range $Q1 \leq Q < Q2$
+2% in range $Q2 \leq Q \leq Q4$ |
| 6. Installation method: Horizontal/Vertical | 12.- Head lost 0.63bar@Q3 |



DN (mm)	50	80	100	150	200	250	300
Q4/Qs (overload flow rate) (m³/h)	31.5	78.75	125	312.5	500	785.5	1250
Q3/Qp (permanent flow rate) (m³/h)	25	63	100	250	400	630	1000
Q2/Qt (transition flow rate) (m³/h)	0.08	0.2016	0.32	0.8	1.25	2.016	2
Q1/Qmin (minimum flow rate) (m³/h)	0.05	0.126	0.2	0.5	0.8	1.26	1.25
R=Q3/Q1(flow range)	500						
Max cumulative flow reading	DN50-DN100:99999999.99999 DN150-DN300:999999999.99999						
Outputs	4-20 mA, RS485 Modbus						



MID



ISO9001



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