

# Digital Water Meter

## Ultrasonic series

### DN15 ~ Dn40



### Overview

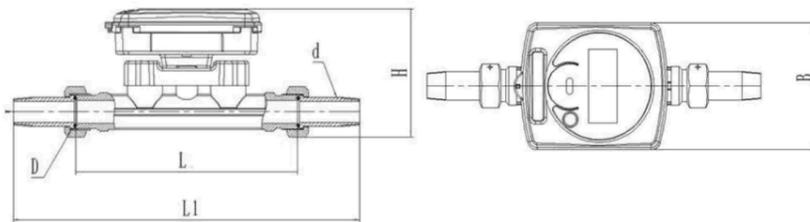
Ultrasonic water meter is a new type of water meter that measures and displays flow based on the principle of time difference between forward and backward flow when ultrasonic waves propagate in water. The instrument can be equipped with wired or wireless data communication interfaces to communicate with collectors, concentrators, or network servers, forming a remote meter reading management system. The management department can retrieve data from the meter as needed, facilitating the statistics and management of user water consumption.

No Moving Parts, high accuracy for years' long. None moving components in flow sensor, avoid long term abrasion of mechanical parts which may result to inaccuracy measurement and failure of meter. Such design is also resistant to impurities, therefore no-inspections and maintenance cost-free.

### Features

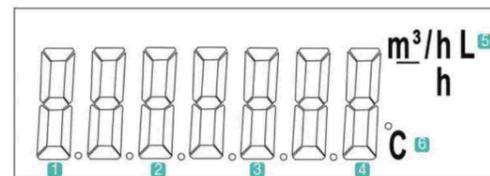
- Low starting rate (5L/h), able to accurate measure;
- No mechanical moving parts, no abrades and has a long serving lifetime;
- No measurement of air;
- Mounting in any installation position; Horizontal or Vertical;
- Support RS-485 - Modbus RTU Communication;
- Suitable for outdoor installation - IP68 waterproof level ;
- LCD Display, 8 digits with power source Battery - Lifetime up to 8 Years.

### Dimensions



Nominal Diameter (mm)	Length L (mm)	Length L1 (mm)	Width B (mm)	Hight H (mm)
15	165	260	95	86
20	195	300	95	86
25	225	346	95	89
32	180	305	95	100
40	200	330	95	120

### Meter Display Content



- 1 Flow Total 2 Flow Rate 3 History
- 4 Calibration 5 Unit 6 Temperature

### Parameters

Nominal Diameters	mm	15	20	25	32	40
Q3/Q1	R200 (R250 Optional)					
Overload Flow Rate (Q4)	m <sup>3</sup> /h	3.125	5	7.875	12.5	20
Permanent Flow Rate (Q3)	m <sup>3</sup> /h	2.5	4	6.3	10	16
Transitional Flow Rate (Q2)	l/h	20	32	50	80	128
Minimum Flow Rate (Q1)	l/h	12.5	20	31.5	50	80
Starting Flow Rate	l/h	5	5	8	10	15
Accuracy Class	Class 2					
Temperature Class	T30 / T50					
Max. Admissible Pressure	PN 16					
Pressure Loss Classes	0.04bar					
Electromagnetic Enviromental Class	E1					
Environmental Classification	B / O					
Protection Class	IP68					
Installation Direction	Any angle ; Horizontal and Vertical					
Flow Profile Sensitivity Class	U10/D5					
Battery Lifetime	> 8 years					
Display	LCD, 8 digits + additional characters					
Communication Interface	RS485/ LoRa/NB-IOT/LoRaWAN					

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