



UltraFlow 1000

Advantages

- Designed for usage in utilities and water resource monitoring
- Dedicated to process applications in remote locations
- Battery operated meter
- Occupies less installation space



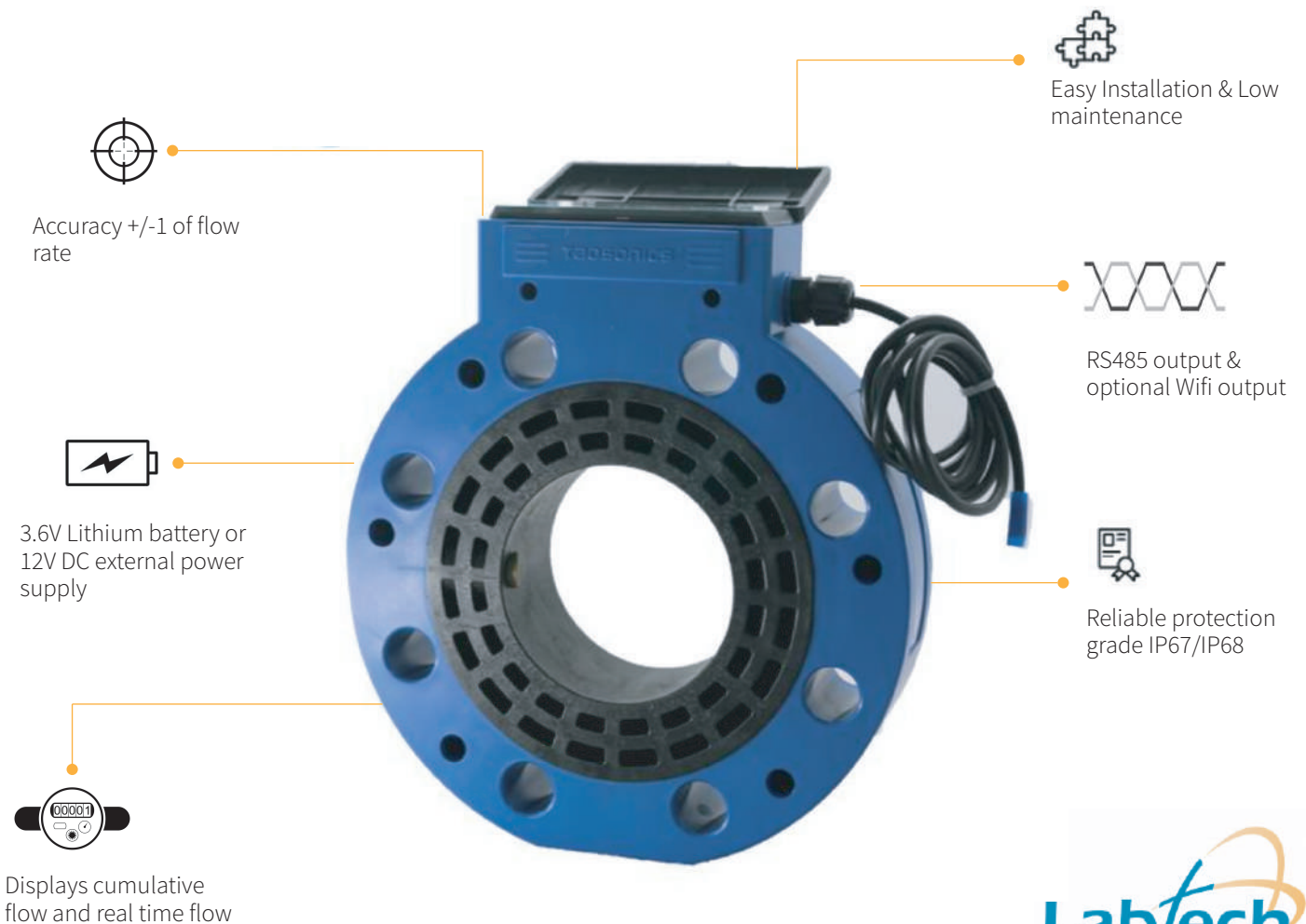
UltraFlow 1000

UltraFlow1000 series of ultrasonic water meter is a new generation of smart water meter designed for utilities and water resource monitoring. It is an all-plastic smart water meter with nylon as the main material. It is installed in the pipe by clamping the meter body which is only 50 mm in thickness between the two flanges of the pipe.



Technology

The transit time difference is obtained through correlation calculation of captured signal waveform, thus featuring high precision, low drift, anti-interference, stability and reliability. The smart water meter also uses a signal acquisition hardware with a dynamic range of 30dB, so it can resist medium scaling inside the pipe and is suitable for measurement of muddy water with sediments. This smart water meter adopts waterproof sealant and can be immersed in water. Compared with the traditional water meter, the new meter is smaller in size, lower in failure rate, more reliable in function and cheaper in price.



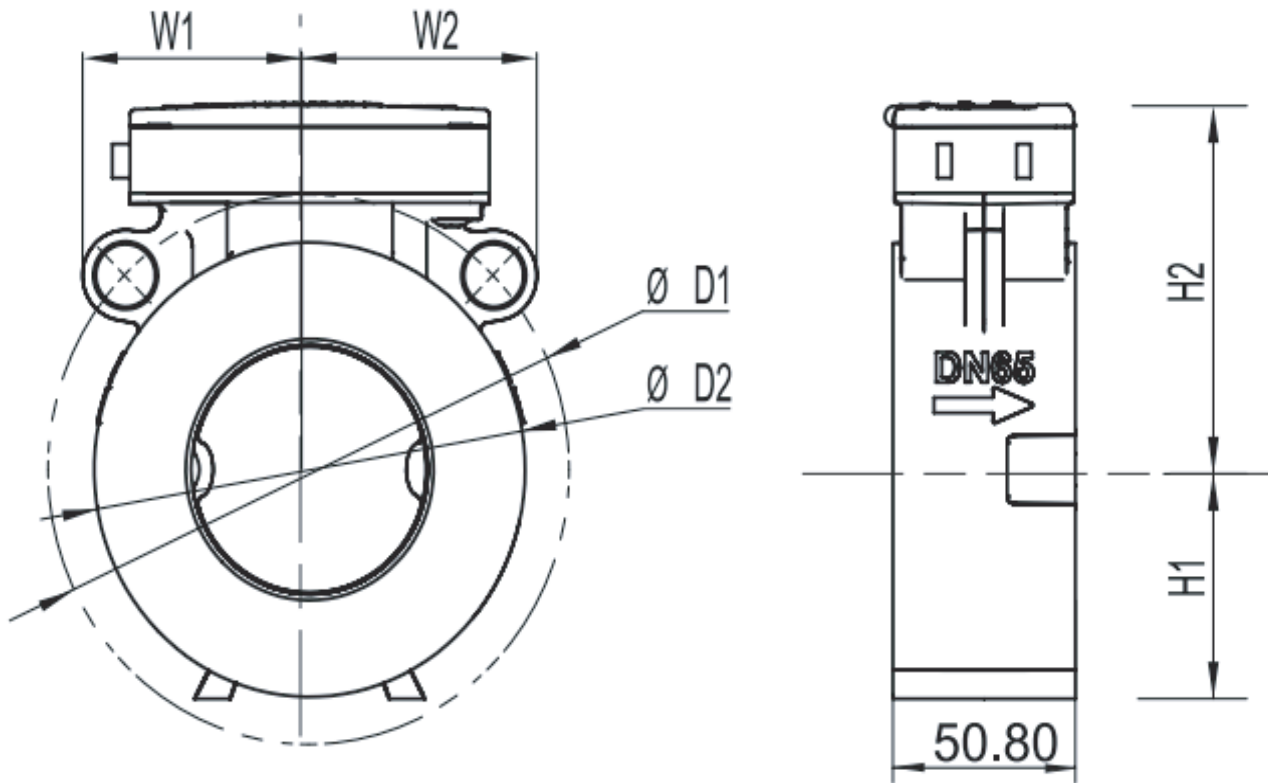
Technical Specifications

Performance	Parameters
Accuracy	±1 % (0.3m/s<Flow Velocity<7m/s)
Display	Multi line 9 digital accumulative flow, 6 digital instantaneous flow
Flow velocity	0.05m/s~7m/s
Output	Physically independent RS485 and infrared interface WIFI is optional.
Installation	Straight pipe should be satisfied:upstream 5D, downs tream 3D
Pipe Diameter	Single Channel DN50/DN65/DN80, Dual Channel: DN100/DN125/DN150
Temperature	-30~60 deg C
Operation mode	Two capacitive touch keys support sliding operation
Type of liquid	Water
Power supply	3.6V4Ah Lithium battery, > 10 Years life or 12V DC External power
IP Rating	IP68, can measure under water depth ≤2
Material	Nylon and Poly carbonate
Units	m ³ ,liters ,gallons

Flow Rate

Nominal Dia (mm)	Starting Flowrate (m ³ /hr) Q1	Min Flowrate (m ³ /hr) Q2	Max Flowrate (m ³ /hr) Q3	Design Flowrate (m ³ /hr) Q4
DN50	0.10	0.63	40	50
DN65	0.16	1.00	63	80
DN80	0.25	1.60	100	125
DN100	0.40	2.60	160	200
DN125	0.60	3.20	200	250
DN150	0.80	4.00	250	312

Meter Dimensions



Nominal Diameter	Flow Meter Dimension					Flange Dimension					Weight (Kg)
	L	H1	H2	W1	W2	Outside Diameter D	Diameter of Bolt Circle D1	Bore Diameter x Quantity $\phi \times n$	Raised Face		
									Outside Diameter D2	Height f	
DN50	50.8	52	91	58	58	102	125	16.5×2	102	2	0.7
DN65	50.8	60.5	97	63.5	63.5	120	145	16.5×2	120	2	0.7
DN80	50.8	70	132	68	68	135	160	16.5×2	135	2	0.9
DN100	50.8	80	140	79	79	158	180	16.5×2	158	2	1.0
DN125	50.8	95	145	94	94	188	210	16.5×2	188	2	1.2
DN150	50.8	107	157	106	106	212	240	20.5×2	212	2	1.4