



### Product Description

The purpose of an ultrasonic water meter is to gauge the flow rate of liquid inside a closed conduit. The transducers are of the clamp-on, non-contacting variety, which offers advantages such as simple installation and non-fouling functioning.

Primarily measures pure liquids including clean water, sea water, drinking water, river water, and alcohol.

Ultrasonic waves are transmitted and received between transducers in the pipe in both the upstream and downstream directions by transit time ultrasonic flow meters. It takes the same amount of time to move upstream and downstream between the transducers when there is no flow. The upstream wave will move more slowly and take longer than the downstream wave when there is flow. The gap between the upstream and downstream timings widens as the fluid moves more quickly. To calculate the flow rate, the transmitter analyzes upstream and downstream times.

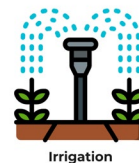


### Production References

<b>Size Range</b>	DN40 to DN3000 Pipes
<b>Temperature</b>	-30 to +80 °C
<b>Power Consumption</b>	1.5W
<b>Dimension</b>	132*50*85
<b>Connection</b>	EN 1092 Flanged
<b>Signal input</b>	3 way 4-20mA with 0.1% accuracy
<b>Signal Output</b>	1 way 4-20mA with 0.1% accuracy
<b>Display</b>	2x20 LCD
<b>Power Supply</b>	Dc 8-36V or Ac 85-264V

### Application Areas

- Water (Waste water, Sea Water or Potable Water)
- Liquid Food
- Pure Liquids

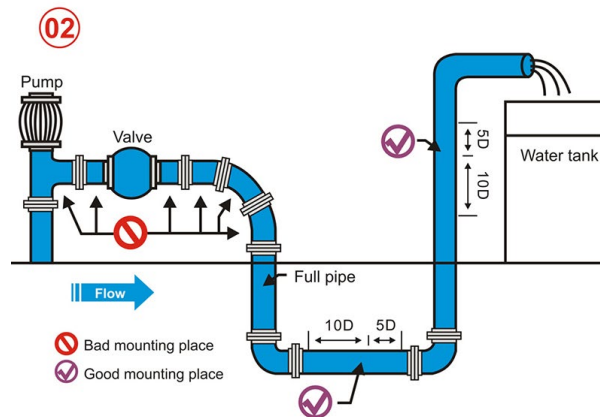
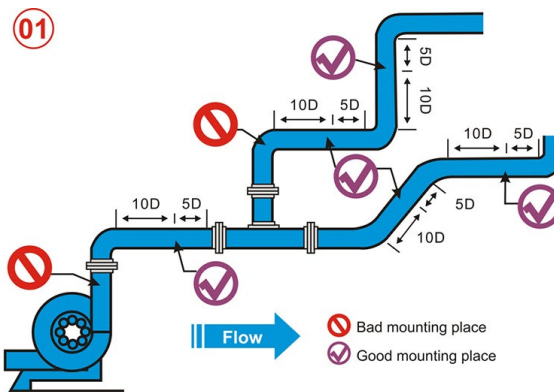
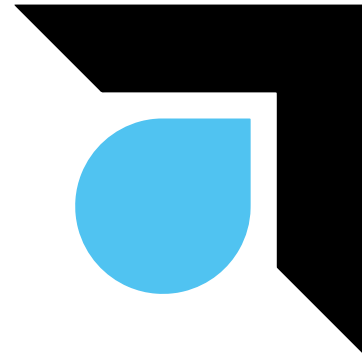




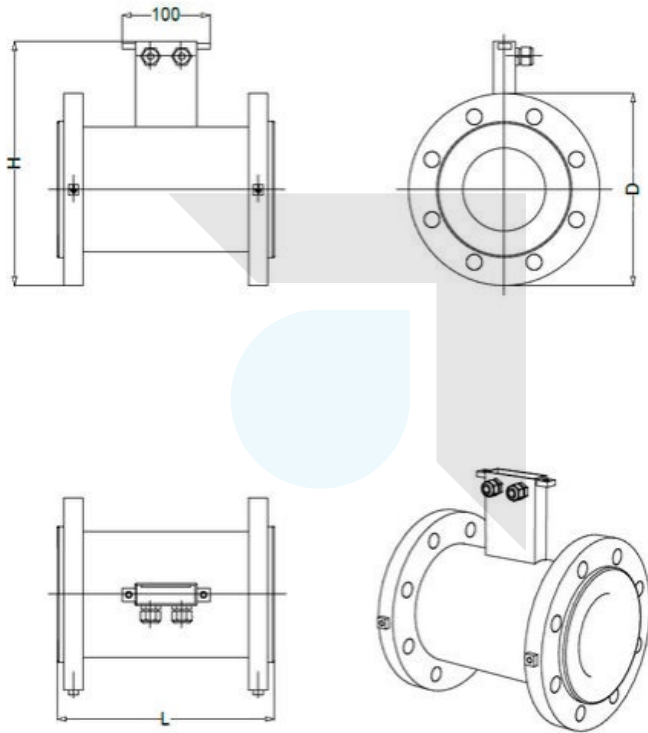
## Product Features



- 0.5% of linearity
- Accuracy better than  $\pm 1.0\%$
- High reliability, high performance, low price
- Bi-directional flow measurement
- No moving parts
- No wear
- No pressure loss
- Maintenance-free
- Measuring conductivity liquid and non-conductivity liquid



## Dimensions



DN (mm)	Bar	PTFE Liner (L)	Neoprene Liner (L)	D	H	KG
3	40	200 (PFA)	200 (PFA)	90	220	4
6	40	200 (PFA)	200 (PFA)	90	220	5
10	40	200	-	90	220	6
15	40	20	-	95	220	8
20	40	200	-	105	220	10
25	40	200	-	115	223	12
32	40	200	-	140	240	13
40	40	200	200	150	250	14
50	40	200	200	165	263	15
65	40	200	200	185	283	18
80	40	200	200	200	290	20
100	40	250	250	235	318	25
125	40	250	250	270	350	28
150	40	300	300	300	380	30
200	16	350	350	340	430	50
250	16	450	450	405	495	70
300	16	500	500	460	547	95
350	16	550	550	520	602	120
400	16	600	600	580	665	140
450	16	600	600	640	720	160
500	16	600	600	715	783	200
600	16	600	600	840	897	280
700	10	700	700	895	982	350
800	10	800	800	1015	1092	400
900	10	900	900	1115	1192	480
1000	10	1000	1000	1230	1299	550
1200	6	1200	1200	1405	1488	660
1400	6	1400	1400	1630	1700	750
1600	6	1600	1600	1830	1924	850
1800	6	1800	1800	2045	2134	980
2000	6	2000	2000	2265	2344	1200
2200	6	2200	2200	2475	2549	1600
2400	6	2400	2400	2685	2754	2000
2600	6	2600	2600	2905	3169	2400
2800	6	2800	2800	2905	3169	2700
3000	6	3000	3000	3315	3369	2900

Units: mm / indicative dimensions & weights