

ULTRASONIC FLOWMETER UA102C

UA102C clamp on type ultrasonic flowmeter is designed for measuring the microflow measurement applications without any pipe modification. The smallest pipe size could reach to 6.35mm.

As it doesn't need to cut the pipe, so it is an excellent tool for corrosive liquids such as strong acids and alkalis. In using the advanced time measurement chip, it could offer high accuracy and repeatability capacity.

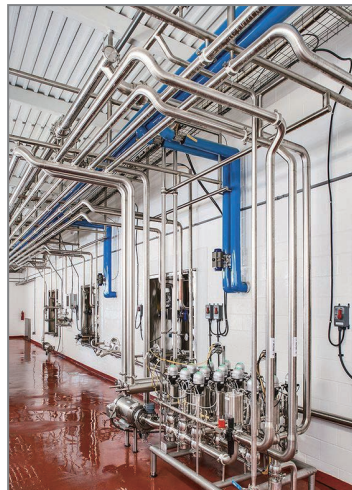


Product Features

- Built-in advanced measurement chip, the time resolution could reach to 20ps;
- No moving part.
- 2.4 inch IPS LCD display;
- Colorful display with flow rate diagram;
- hour flow totalizer bar chart;
- User friendly menu;

Applications

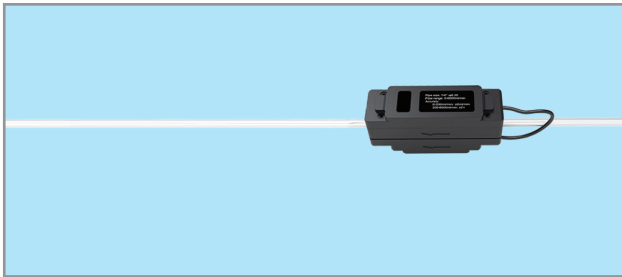
Semiconductor, medical, Chemical production processing, Fine chemical production, Cleaning industry, Beverage industry, laboratory, etc.



Installation steps



- 1 Clean the pipe, remove any dust, painting, or particles outside the pipe.



- 2 Install the sensor, fix the sensor bracket part onto the pipe with screw.

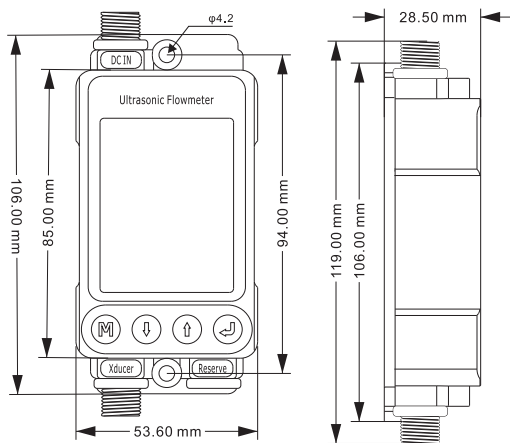


- 3 Connect the sensor with the transmitter

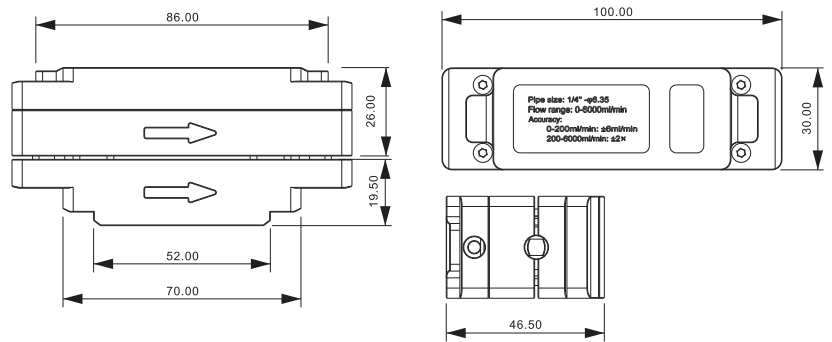


- ✓ Power on and run
Power on and see if the $SQ \geq 50$ which indicates that the measurement has been stable.

Transmitter Dimension



Sensor Dimension



Specification

Code	UA102C
Accuracy	+/-2.0% (0.3m/s-5.0m/s)
Repeatability	0.8%
Response time	50ms
Display	2.4' 320*240 IPS LCD
Language	English, Chinese
Unit	Support metric unit selection, m ³ /h、LPM、ml/min、GPM、LPH. The default flow rate is ml/min.
Totalizer	7 bit flow rate totalizer
Totalizer Data	10 years 64 months 64 days
Key panel	Four touch buttons
Power supply	24VDC@3W
Analog output	4 ~ 20mA Maximum load:600 Ω
Communication	Modbus RS485
Alarm output	OCT upper and lower limit alarm function
Relay output	30VDC@1A, Switching frequency less than 2HZ(Optional)
IP Protection	IP65
Pipe size	OD6~OD12
Ambient temperature	-10°C-60°C
Fluid temperature	-10°C-50°C
Ambient humidity	RH 0 ~ 95%, No condensation
viscosity	Less than 300CST (mm ² /s)
Cable length	2.0m (The cable length could be extend up to 20m)