

UniArms



UniArms UA102S is a designed U type ultrasonic flowmeter for liquids. It comes with a 2.4" IPS LCD colorful display. The lowest flow rate could reach to 0.5ml/min with high accuracy, which make it be suitable for some ultra low flow applications.

UA102S has no moving parts, it also could measure pulsating and dosing flow under the assistance of peristaltic pump damper.

UA102S

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.



Application Industry



Semiconductor Industry



Flat glass cleaning



Beverage industry



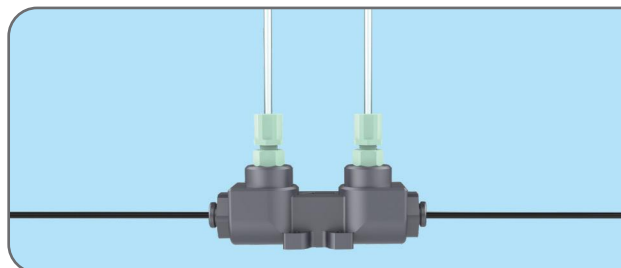
Food Industry

Installation steps



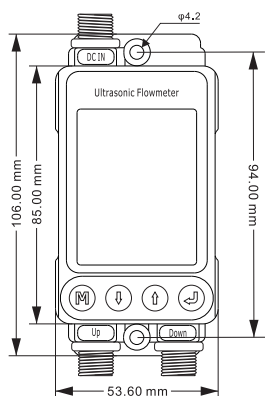
- 1 Choose the right measurement position, cut the pipe.

- 2 Insert the pipe into both ends of the sensor part. Please pay attention to the inlet and outlet.

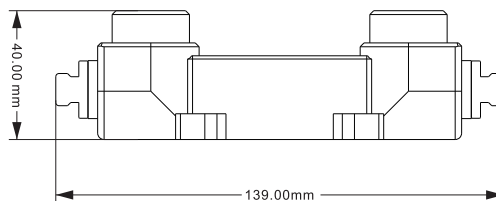
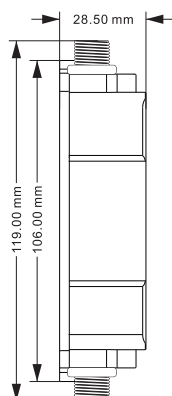


- ✓ Connect the transmitter

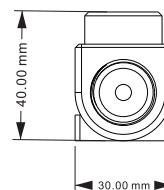
Product Dimension



Transmitter dimension



Sensor dimension



Specification

Code	UA102S
Accuracy	+/-1.0% (0.3m/s-5.0m/s)
Repeatability	0.3%
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	OD3~OD12.7
Sensor Body Material	UPVC, PFA(Optional)
Ambient temperature	-10℃-60℃
Fluid temperature:	-10℃-50℃
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)