

SUNCENT

Suncent Technology Co., Ltd.

X3

Fixed Buckled Ultrasonic
Flowmeter

Product Brochure



FIXED BUCKLED ULTRASONIC FLOWMETER X3

With unique patented innovation in special small pipe fluid measurement, X3 has advantages in this area compared to other competitors.



X3 is an international high-end transit-time ultrasonic flowmeter

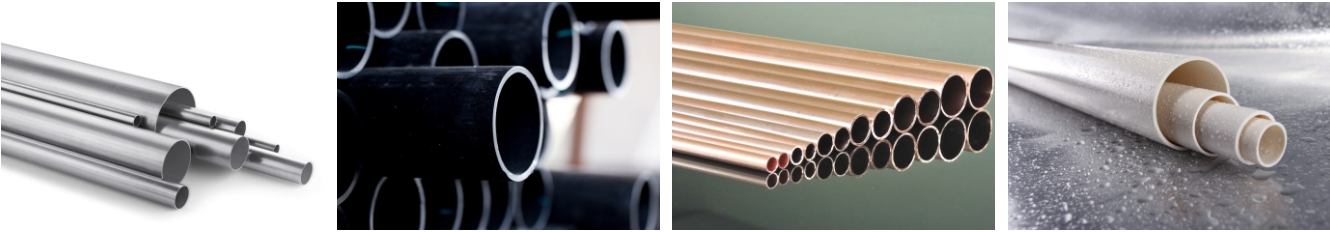
- Automatic magnet bracket buckle for installation
- Only 2-3 minutes to complete the whole process from installation to measurement
- OLED display, easy to tell even in low light environment
- All pipe materials well support: stainless steel pipe, carbon steel pipe, copper pipe, plastic pipe (PVC, PVDF, PPR, PPH, HDPE, etc.).

SPECIFICATIONS

Flow meter	
Model	X3
Flow range	0.1 m/s - 5.0 m/s
Accuracy	±2.0%
Repeatability	0.8%
Pipe size	Φ6.35 - Φ90, 12 specifications in total
Data storage	Daily, monthly, and Annual. Flow Totalizer
Analog output	4-20mA, Maximum load: 600Ω
Alarm output	OCT, Upper and lower limit alarm function (optional)
Communication	RS485, Modbus and BACnet(optional)
Power supply	24V DC
Cable length	1.8m
Keypad	Four light touch buttons
Screen	OLED 128*64 display screen
Units	Metric and imperial units are available, Cubic Meters(m ³), Liters(L), USA Gallons(GAL)/hour, /min, Default unit setting: m ³ /h
Totalizer	Six bit digit
Piper material	Stainless steel pipe, carbon steel pipe, copper pipe, plastic pipe
Case material	Aluminum alloy
Environment temp.	0°C - 50°C
Medium temp.	0°C - 50°C
Humidity	0-95% relative humidity, without condensation
IP Grade	IP54

APPLICATIONS

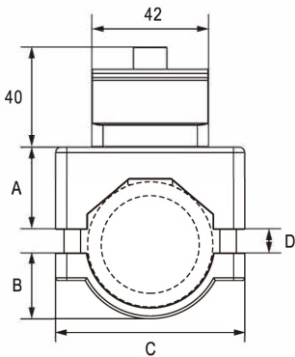
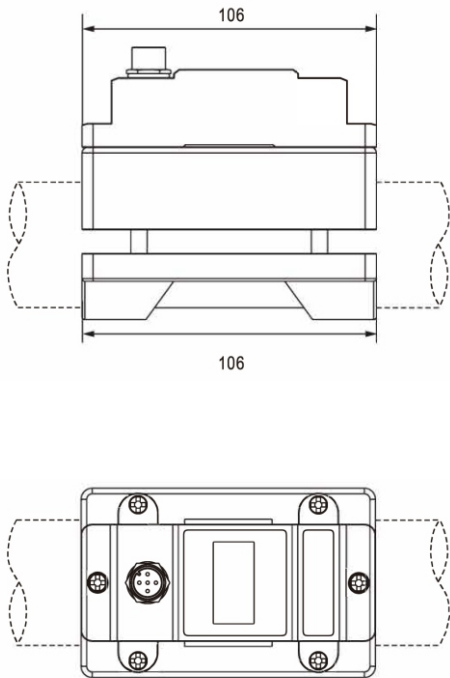
For both fluid measurement and monitoring, X3 shows highly effective measurement ability for remaining stable processing and supporting with various material pipes and sizes.



X3 also satisfies different clean fluid measurements: various acids,alcohols, chemical solvents, alcohol,beverage water, Coca-Cola water, etc.



DIMENSIONS

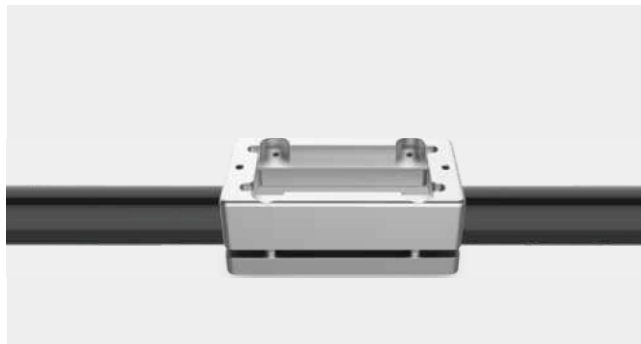


Model	A(mm)	B(mm)	C(mm)	D(mm)	
				min	max
Φ20	25	8	58	1/Φ16.5	7.5/Φ23
Φ25	25	15	58	1/Φ25	4/Φ28
Φ32	28.5	18.5	58	1/Φ32	4/Φ35
Φ40	29.5	24	68	1/Φ38	9/Φ45
Φ50	36	27	78	1/Φ48	7/Φ54
Φ63	41	32	91	1.5/Φ58	8.5/Φ64
Φ75	46.5	40	105	1/Φ72	7/Φ78
Φ90	51.5	43	119	1/Φ80	13/Φ92

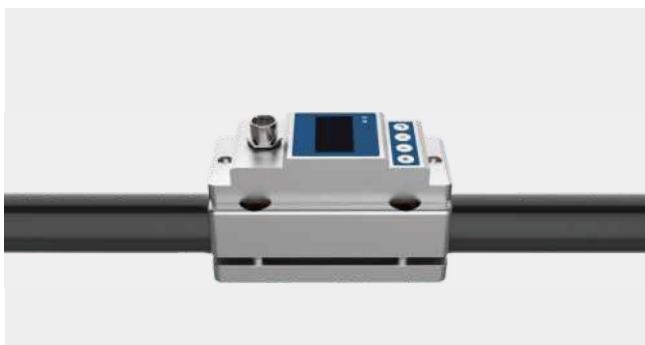
INSTALLATION STEPS

INSTALLATION STEPS**01 Clean the tube**

Make sure no dirt, paint, or other stains on the surface of the tube.

02 Install the bracket

Align flow meter to the pipe position, Install screw on top part of the bracket, the bottom part of the bracket will automatically connect with the top part. tighten the four M4 screws.

03 Install Meter

Take the cover off the sensor, put the flow meter into Upper bracket, and tighten two M4 screws.

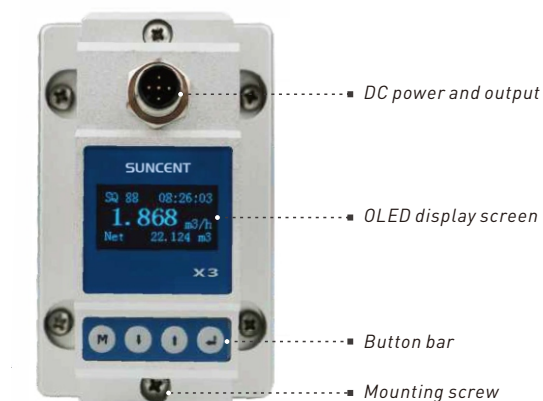
04 Connect the cable

Take out the cable, connect it to the socket, and tighten up.

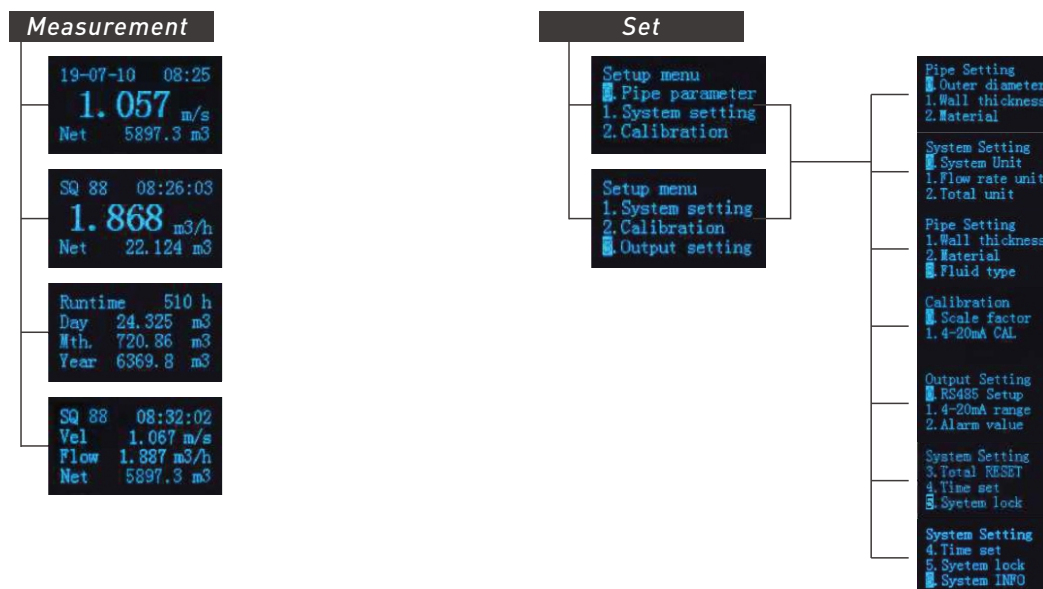
05 Run the Meter

Please refer to the manual for cable connection; Power on and see if the $SQ > 50$ which indicates that the measurement has been stable.

SETTING



DISPLAY MENUS



PIPING SPECIFICATIONS

Pipe outer diameter	φ6.35	φ9.53	φ12.7	φ15	φ20	φ25	φ32	φ40	φ50	φ63	φ75	φ90
Pipe inner diameter	4mm	8mm	-	10mm	15mm	20mm	25mm	32mm	40mm	50mm	65mm	80mm
Nominal name	DN4	DN8	DN15	DN10	DN15	DN20	DN25	DN30	DN40	DN50	DN65	DN80
Popular name	-	1/4"	1/2"	3/8"	1/2"	3/4"	1"	1.2"	1.5"	2"	2.5"	3"
Weight(kg)	-	0.54	0.54	0.54	0.54	0.54	0.52	0.60	0.58	0.73	0.73	-

PRODUCT LINES



·Dedicated Ultrasonic Flowmeter X8

Flow range	Accuracy	Pipe size
0-±12 m/s	±0.5%	25mm - 5000mm



·Portable Ultrasonic Flowmeter P8

Flow range	Accuracy	Pipe size
0-±12 m/s	±0.5%	25mm - 5000mm



·Multi-Path Ultrasonic Flowmeter D8

Flow range	Accuracy	Pipe size
0-±12 m/s	±0.5%	200mm - 5000mm



·Multi-Path Ultrasonic Energy Meter ED8

Flow range	Accuracy	Pipe size
0-±12 m/s	±0.5%	200mm - 5000mm



·Dedicated Ultrasonic Flowmeter X6

Flow range	Accuracy	Pipe size
0-±12 m/s	±1.0%	25mm - 2000mm



·Ultrasonic Energy Meter EX8

Flow range	Accuracy	Pipe size
0-±12 m/s	±0.5%	25mm - 5000mm



·Fixed Buckled Ultrasonic Energy Meter EX3

Flow range	Accuracy	Pipe size
0.1-5 m/s	±1.0%	DN15 - DN80



·Fixed Segmented Ultrasonic Flowmeter X2

Flow range	Accuracy	Pipe size
0.1-5m/s	±1.0%	¢20 - ¢63



·Fixed Buckled Ultrasonic Flowmeter X3

Flow range	Accuracy	Pipe size
0.1-5 m/s	±1.0%	¢6.35 - ¢90

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