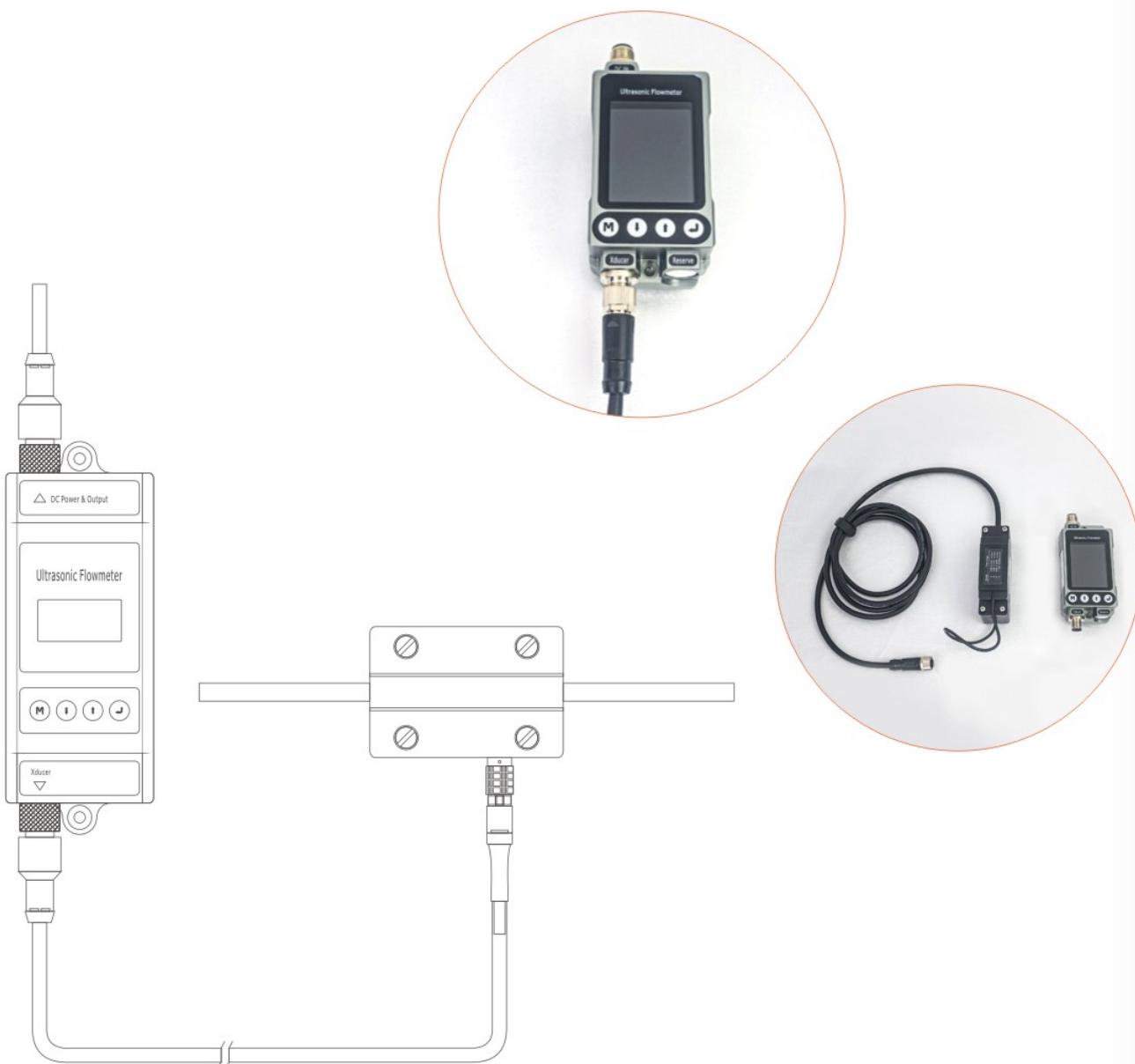


Operating Manual for Microtube Ultrasonic Flowmeter

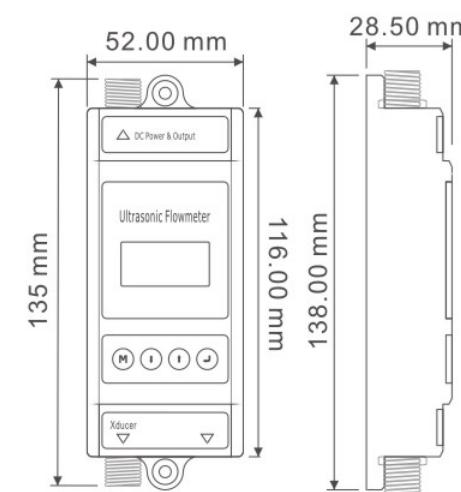
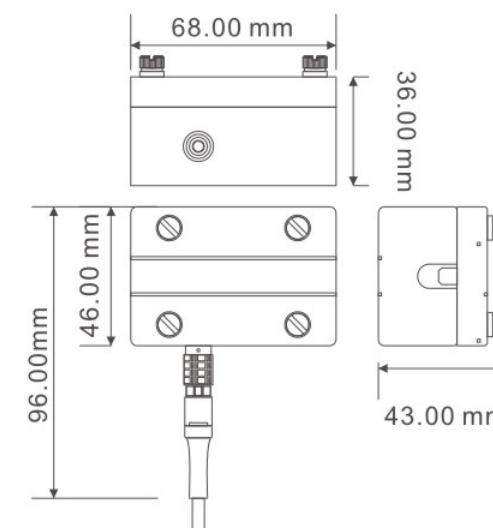
Application industry

The micro-tube ultrasonic flowmeter is specifically designed for the measurement requirements of small pipe diameters such as hoses and hard pipes. It is mainly used in applications in industries such as semiconductors, medical care, chemical production processes, fine chemical production, cleaning industries, and beverage industries...

It adopts a socket connection method, which is simple to install and operate, and can be used immediately after plugging in. The through-beam sensor ensures the effective measurement distance and reliability, with good measurement stability. The entire micro-tube ultrasonic flowmeter is made of PP/PFA material through CNC processing, featuring good dimensional consistency and excellent acid and alkali resistance. It is convenient to connect to the application pipeline through the socket.



// Size specification


Sensor size (mm)


// Performance index

Product: Micro-tube easy-to-measure Ultrasonic Flowmeter				
Model	Range of measurement	Accuracy	Outer diameter of the pipe	Inner diameter of the pipe
-Φ4	0-4000ml/min	0-200m/min: ±6ml/min 200-4000ml/min: ±2%	1/8" (4.2mm)	1/16" (2.1mm)
-Φ6.35	0-6500ml/min	0-300m/min: ±8ml/min 300-6500ml/min: ±2%	1/4" (6.35mm)	1/8" (4.3mm)
-Φ8	0-9200ml/min	0-400m/min: ±10ml/min 400-9200ml/min: ±2%	5/16" (7.9mm)	1/4" (6.4mm)
-Φ9.53	0-12600ml/min	0-600m/min: ±6ml/min 600-12600ml/min: ±2%	3/8" (9.53mm)	5/16" (7.9mm)
-Φ12.7	0-17000ml/min	0-1000ml/min: ±6ml/min 1000-17000ml/min: ±2%	1/2" (12.7mm)	3/8" (9.5mm)
Performance parameters				
Repeatability	0.8%			
Data storage	Cumulative by day, month and year			
Response time	200ms			
Analog output	4~20mA output, maximum load: 600Ω (optional)			
Alarm output	OCT output, high and low flow output alarm (optional)			
Communication interface	RS485			
Power supply	24V DC power supply			
Cable length	2.0 meters			
Button press	Four touch buttons			
Display screen	OLED 128*64 display screen			
Unit of measurement	Support for the selection of metric and imperial units: Cubic Meters(m³) Liters (L),Milliliter(ml) USA Gallons(GAL) It can be pressed by /hour (hour) or/minute (minute) The factory default is m³/h			
Suitable medium	Water, seawater, chemicals, oil... Such as			
Shell material	The sensor is made of ABS material and the main unit is made of aluminum alloy material			
Ambient temperature	0°C-50°C			
Medium temperature	0°C-50°C			
Environmental humidity	Relative humidity: 0-95%, no condensation			
Protection grade	IP54			