

DESCRIPTION

The MFCL micro flow meter is suitable for supporting new energy equipment, medical devices, smart aquaculture equipment, smart agricultural equipment, and more. It adopts the measurement principle of ultrasonic-time method, relies on high reliability signal processing circuits, and accurately measures flow rate through complex algorithms such as sampling, calculation, and correction.

The product is designed with an integrated external clamping structure for quick and easy installation and operates without direct contact with the fluid medium, effectively avoiding interference with existing production processes.



INSTALLATION STEPS



Step 1
Cleaning pipes



Step 2
Installation of pipe clamp



Step 3
Tighten the screws



Step 4
Set parameters after powering on to start measuring

ADVANTAGES

Compatible Various Material & Liquid:
MFCL is versatile for different pipe materials and liquids, including metal and plastic pipes, and can measure pure water, seawater, and clean water on one unit meter.

Low Maintenance Cost:
The innovative permanent coupling design requires no ongoing maintenance costs and is simple to disassemble.

User-friendly:
Install in just 30 seconds with a responsive touchscreen for simple parameter adjustments.

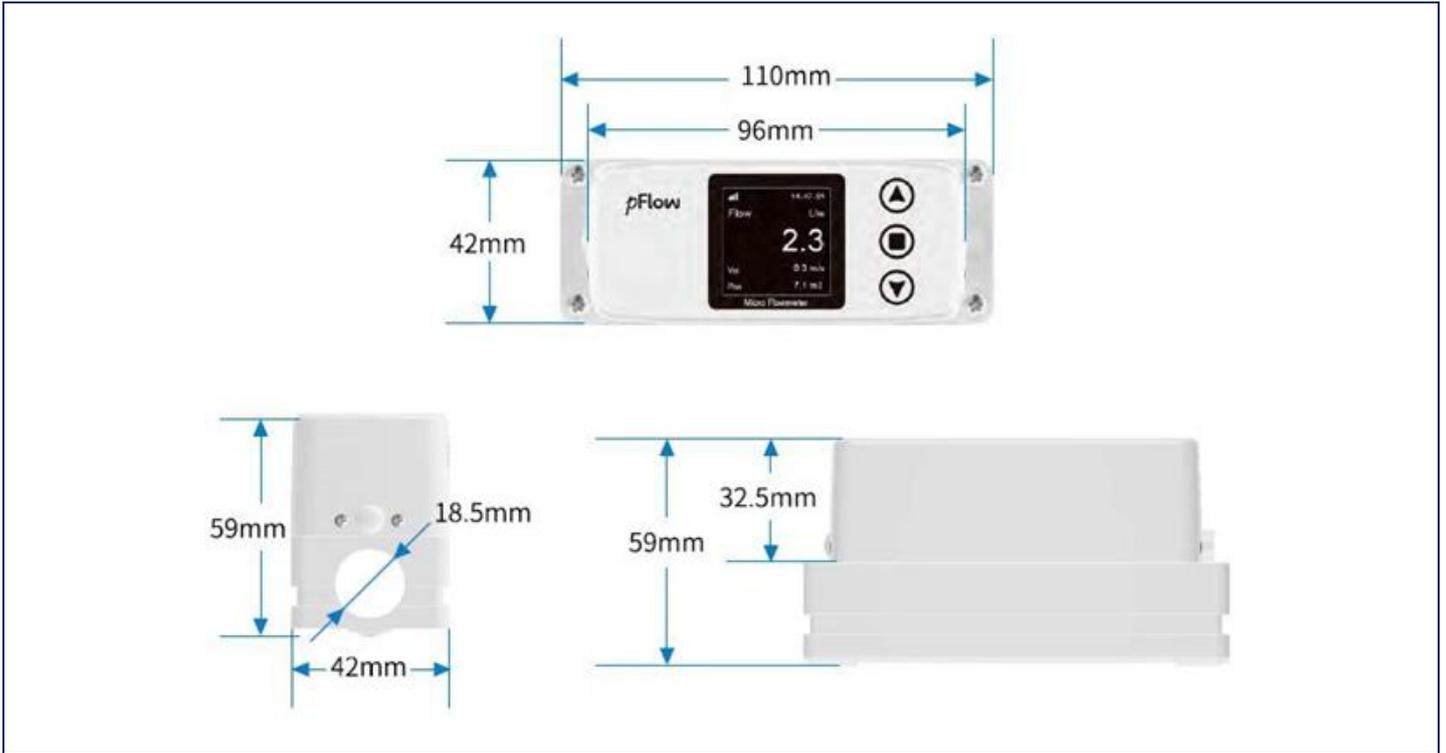
Color Display:
Screen display can be rotated in four directions for easy viewing at any angle.

Exclusive Industry Settings:
Select from 4 colors for different configurations
EM in light green, HC in white, AQC in blue, and AGC in green.

GENERAL SPECIFICATIONS

Flow velocity range	0.03...5 m/sec
Accuracy	±2% (0.3...5 m/sec)
Repeatability	0.4%
Medium	water
Pipe size	DN10
Pipe material	Stainless Steel, PVC, Copper, PPR
Output	4-20mA
Power supply	10...36Vdc
Power consumption	500mA
Communication	Modbus RTU
Display screen	1.54"LCD color screen, resolution 240x240 pixels
Temperature	0°C...+60°C (ambient -10°C...+50°C)
Protection	IP54
Electrical connection	6 wires core cable, standard length 2m

DIMENSIONS



ORDER CODES

Models	Range	Medium	Accuracy	Output	Communication
MFCL	0.03...5 m/sec	water	± 2% FSD	4-20mA	RS485 Modbus RTU