



F3W

Clip-On Ultrasonic Flowmeter



WiFi



Phone APP

Product Overview



F3W adopts the ultrasonic transit time measurement principle, combined with Gentos' patented flow algorithm technology, it realizes accurate measurement of the fluid flow in the pipe. The product is of all-in-one and clip-on structure design, which makes it simple and convenient to install. Only four steps are needed all along. The installation process requires no contact with fluids and no need to shut down the flow.

This flow meter comes with Wi-Fi communication method and Cloud data storage service. Users can check and monitor flow data by access Cloud server through smart phone app *MeterTube* or PC Web platform (extra subscription is required) anywhere and anytime.

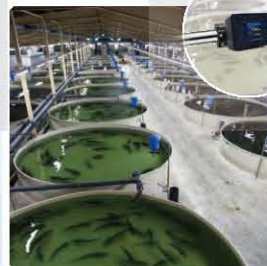
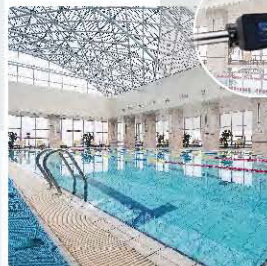
Product Features

Features

- Easy to install, no pipe damaging
- No adjustment
- LCD color display
- Screen display in 4 direction rotation
- Firmware automatic updating
- Smart phone app and Cloud data storage
- PC Web management platform available

Applications

HVAC, washing industries, residential water, modern agricultural irrigation, garden irrigation, water in production process, industrial circulating water, reclaimed water, pure/ultra pure water, bathing industry, swimming pool, laundry industry, inland aquaculture, etc.

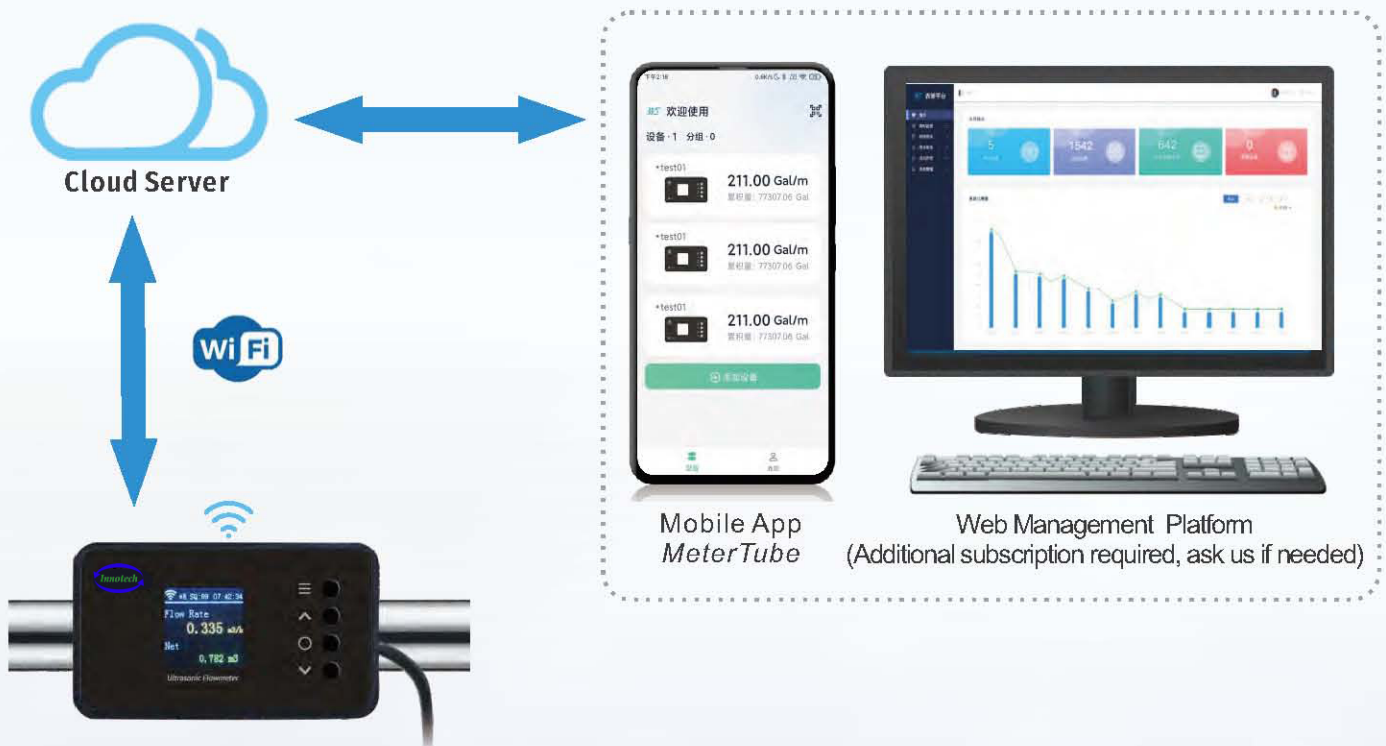


Communication Methods

F3W has both "traditional" and "new" communication methods.

The RS485 mode, a traditional but commonly used communication method, F3W retains the RS485 port for easy access to the user's existing PLC and control system.

As one of the features of IoT, F3W can be connected the Internet through Wi-Fi, flow data will be uploaded to the Cloud server. Users can access cloud data through smart phone app or PC web platform for remote monitoring and management of the F3W flow meters.



Installation Method

All in one design, easy to install
No need to damage pipe or shut down the flow
Simple setting with the 4 operation keys



Model Selection

Format of type selection Model: F3W; Format: A-B

Model

F3W

Description of Transmitter

Flow Range:	0.1 ft/s ~ ±16ft/s (0.03m/s ~ ±5m/s)	Housing Material:	ABS+PC
Accuracy:	± 2.0%	Power supply:	10~36VDC, max 500mA
Repeatability:	0.2%	Communication Interface:	RS485 and Wi-Fi with Cloud service, phone App included, Modbus RTU and Fuji protocol
Display:	LCD1.44"		
Protection Rate:	IP54	Ambient Temperature:	14°F to 122°F(-10°C~50°C)
Pipe Size(Optional):	DN20 ~DN80 (O.D. 21mm-91mm.)	Fluid Temperature:	32°F to 140°F(0°C~60°C)
Cable Length:	6.6ft (2m)		

Specifications

A

- 1
- 2
- 3
- 4

Pipe Material (4 modes)

- PVC (Plastic)
- Carbon Steel
- Stainless Steel
- Copper (Brass)

B

Pipe OD Range

Pipe Size

For Pipe Material (PVC, Carbon Steel, Stainless Steel)

Nominal		Outer Diameter	
Metric	Inch	Metric	Inch
DN20	3/4"	21~29mm	0.827"-1.142"
DN25	1"	28~36mm	1.102"-1.417"
DN32	1-1/4"	35~43mm	1.378"-1.693"
DN40	1-1/2"	46~54mm	1.811"-2.126"
DN50	2"	59~67mm	2.323"-2.638"
DN65	2-1/2"	72~80mm	2.835"-3.150"
DN80	3"	83~91mm	3.268"-3.583"

For Pipe Material (Copper)

Nominal		Outer Diameter	
Metric	Inch	Metric	Inch
DN25	3/4"	21~29mm	0.827"-1.142"
DN32	1" or 1-1/4"	28~36mm	1.102"-1.417"
DN40	1-1/2"	35~43mm	1.378"-1.693"
DN50	2"	46~54mm	1.811"-2.126"
DN65	2-1/2"	59~67mm	2.323"-2.638"
DN80	3"	72~80mm	2.835"-3.150"

Selection Sample: F3W-1-DN20

Description: Model F3W with RS485 and Wi-Fi outputs, applied to pipe size DN20, PVC pipe.

Note: Standard F3W products include smart phone App and cloud service. If you need to use PC Web platform, please ask us to subscribe to this service.