Gentos Measurement & Control Co.,Ltd.

pFlow

F3P Panel Mount & Split Ultrasonic Flowmeter

Power and Communication Over Ethernet



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Product Overview



Gentos quick measure ultrasonic flowmeter F3P adopts the measurement principle of transit time method. Combined with Gentos ultrasonic signal processing technology and unique flow algorithm, fluid flow in the pipeline can be accurately measured. The product is designed with a split clamp-on structure, which is simple and convenient to install. The installation process does not need to contact the fluid medium,nor stop production.

The instrument adopts POE power supply and Ethernet communication to realize cloud data . Users can manage, analyze and monitor measurement data information by access cloud data through mobile terminals and PC terminals anywhere anytime.

Product Features and Functions

- Connect a network cable and use directly
- POE power supply, safe and convenient
- Support online update and upgrade
- Support mobile APP to view real-time data
- Support WEB client to view real-time data

Application and Industry

Reclaimed water, pure water/ultra pure water.....





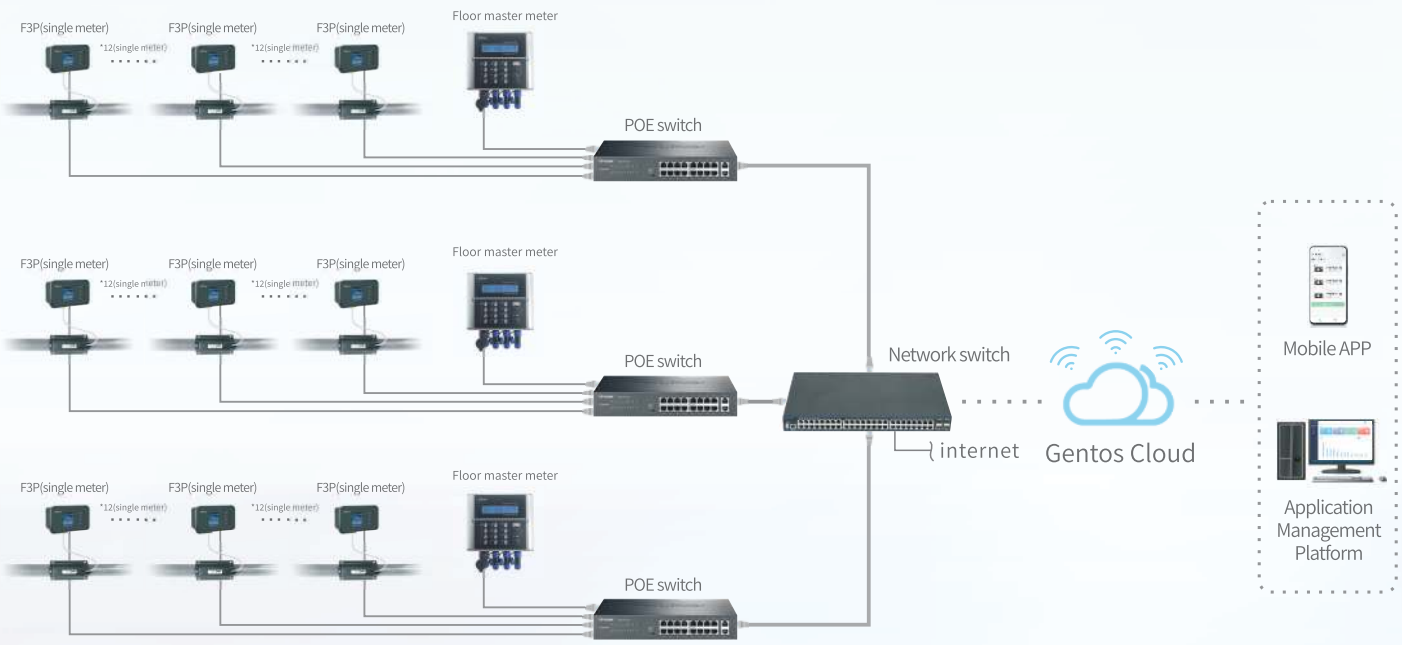


Application Topology

The F3P meter is connected to the customer's POE switch through a POE cable, and then connected to the Internet through the router connected to the POE switch. The meter flow data is uploaded to the cloud server via the Internet. Users can access the cloud data through mobile terminal and PC terminal and use the MeterTube APP software for operation.

Notice: Scan code to add the MeterTube APP, the new version of the APP will support the renewal prompt function.

Notice: 16-port POE switch (Connect the POE switch to a nearest network port.)



Installation Method

Modular design, easy to install
No need to break pipe or shut down,
Simple setting and Clip-on for measurement.

1.Installation of Transmitter



1. Unscrew the four screws, disassemble the host chassis and the upper cover



2. Put the transmitter on the back of the mounting panel and assemble the upper cover



3. Tighten the four screws to complete the installation



4. Effect after installation

2.Installation of Transducers

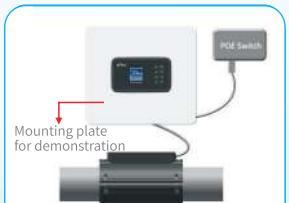


1. Install the upper pipe clamp assembly and the lower pipe clamp to the pipe, and tighten the screws

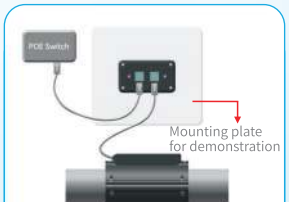


2. Effect after installation

3.Wiring diagram



1. Image of the front



2. Image of the back

Notice: The mounting panel for demonstration refers to the position where the user needs to install the flowmeter, such as the panel of the power distribution cabinet, which is not an accessory of this product. The thickness of the mounting panel surface ranges from 1 to 4mm

Product Model

P/N Format Model: F3P; Format: A-B

Model	Description of Transmitter	
F3P	Model Name: F3P Clip-on Ultrasonic Flowmeter	Pipe material: Carbon steel, Stainless steel, Copper, PVC
	Velocity range:0.03~5m/s	
	(0.3~5.0m/s):Accuracy: ±2%(0.3~5.0m/s)	Transmitter installation temperature:-10°C~50°C
	0.2%:Repeatability:0.2%	Medium temperature: 0°C~60°C
	Keyboard:4 keys	Humidity: 0~99% RH, non-condensing
	Display: 1.44" LCD color screen,resolution 128*128	Cable: Sensor cable, standard length: 9m
	Installation method: clamp-on, screw fastening	Power supply: POE network cable power supply, standard length 2m
	Power consumption: 5W(depending on function)	
		Communication: Ethernet

Specifications

A	Pipe Size
Pipe OD Range	Unit:mm Pipe material (PVC, Carbon Steel, Stainless Steel)
	DN20(21~29),DN25(28~36),DN32(35~43),DN40(46~54),DN50(59~67),DN65(72~80),DN80(83~91)
	Unit:mm Pipe material (Copper)
	DN20(21~29),DN25(21~29),DN32(28~36),DN40(35~43),DN50(46~54),DN65(59~67),DN80(72~80)

B	Pipe Material(optional)
1	Carbon Steel
2	Stainless Steel
3	Copper
4	PVC

Selection example: Model: F3P; Specification: DN20-1
Description: (Model: F3P Clip-on ultrasonic flowmeter; Specification: DN20, Carbon Steel)

*POE switch is optional

Product Series

Accuracy Rate 0.2
D118 High Dynamic response
D348D Plus Multipath
...

Accuracy Rate 0.5
D118i Insertion
D118i Portable
D118 Insertion/Clamp on
D348D Plus multipath
...

Accuracy Rate 1.0
D116 Insertion/Clamp on
...

For HAVC
F5 wall mounted meter
F8 wall mounted meter
E5 wall mounted energy meter
E8 wall mounted energy meter
...

Clip-on Series
E2 Copper section meter
E3 Clip-on energy meter
F2 Clip-on flow meter
F3P Clip-on flow meter
...

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