pFlow

F3P Clip-On Ultrasonic Flowmeter

Power and Communication Over Ethernet

POE power supply

LCD color display

Mobile APP

POE switch (optional)

Only one network cable needed

FLOW
S/N: V5701113

Gentos Measurement & Control Co., Ltd.

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Product Overview

Transmitter

Transducer

POE switch (optional)

FLOW
S/N. VST61115

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

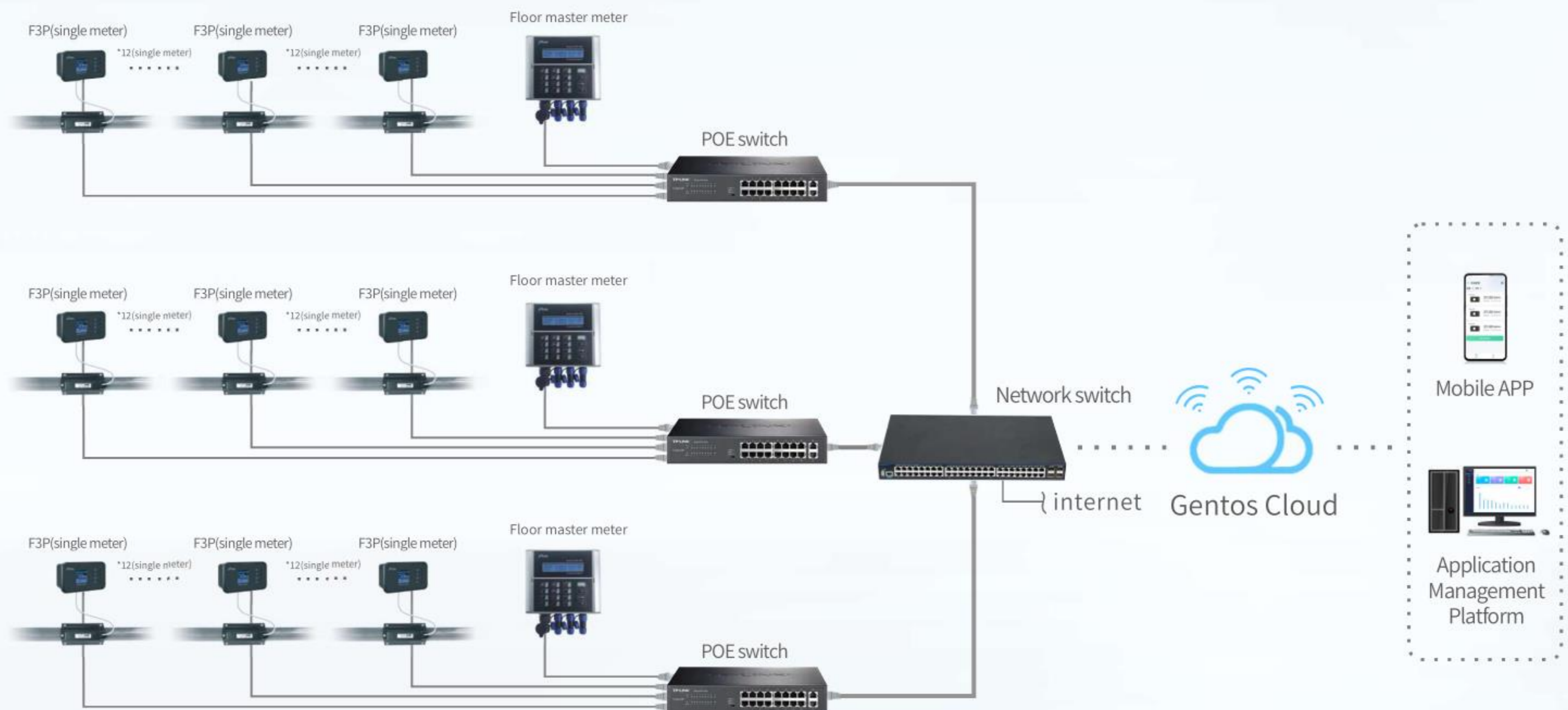Reclaimed water, pure water/ultra pure water......

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.)

F3P(single meter)   F3P(single meter)   F3P(single meter)   Floor master meter
*12(single meter)   *12(single meter)
POE switch

F3P(single meter)   F3P(single meter)   F3P(single meter)   Floor master meter
*12(single meter)   *12(single meter)
POE switch   Network switch   internet   Gentos Cloud   Mobile APP

F3P(single meter)   F3P(single meter)   F3P(single meter)   Floor master meter
*12(single meter)   *12(single meter)
POE switch

Application Management Platform

Installation Method

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

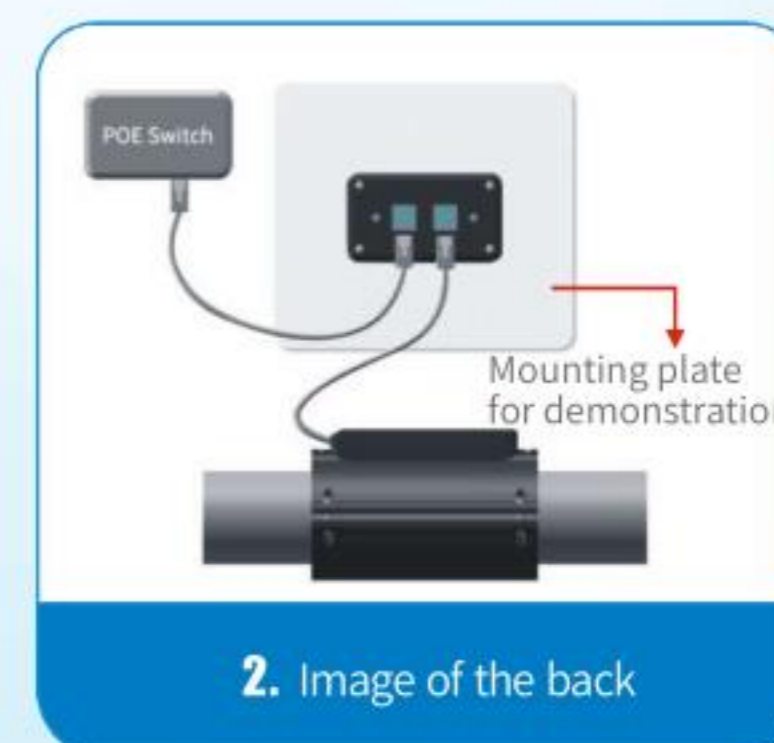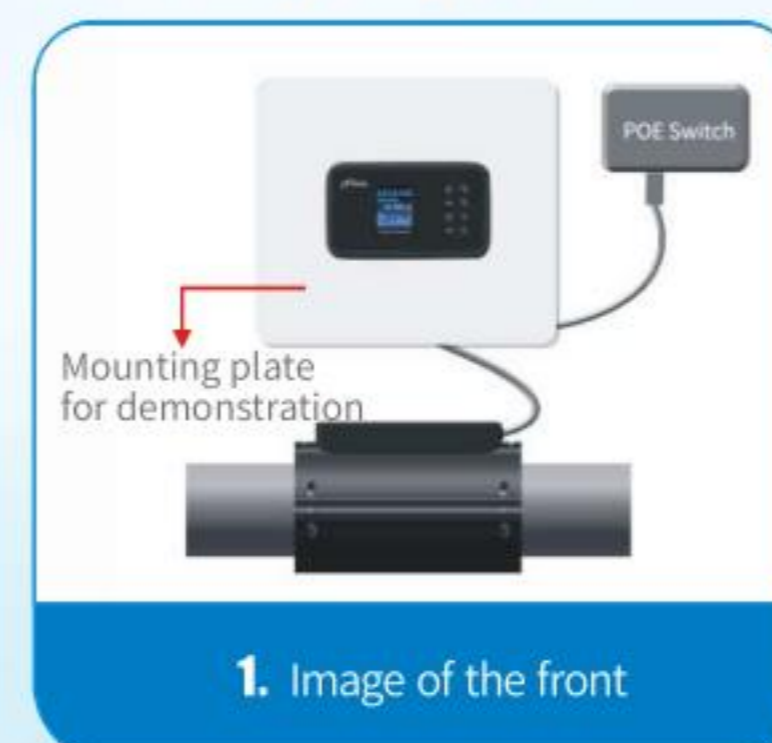## 1.Installation of Transmitter

Mounting plate for demonstration

Mounting plate for demonstration

Mounting plate for demonstration

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

POE Switch

POE Switch

Mounting plate for demonstration

Mounting plate for demonstration

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