F3E Clip-on Ultrasonic Flowmeter

Power and Communication Over Ethernet

POE power supply

LCD color display

POE switch (optional)

Only one network cable

Gentos Measurement & Control Co., Ltd.

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Product Overview

POE switch(optional)

Gentos quick measure ultrasonic flowmeter F3E 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 an all-in-one and clip-on structure design, which is simple and convenient to install. According to the product manual, it can be powered on and measured by the four-step operation. The installation process requires no contact with fluid media and no need to shut down. The instrument adopts POE power supply and Ethernet communication to realize cloud data storage. Users can manage, analyze and monitor measurement data information by access cloud data through mobile terminals and PC terminals whenever and wherever.

Product Features and Functions

Features

- Easy to install,without break pipe
- Easily clip on
- LCD color display
- Screen display in 4 directions rotating
- POE cable power supply, safe & convenient

Functions

- Flow Control and Monitoring
- Total traffic calculation
- Water distribution
- Leak monitoring
- Ethernet communication

Application and Industry

Air conditioner, washing machine, tap water, modern agricultural irrigation, garden irrigation, water for production process, industrial circulating water, reclaimed water, pure water/ultra pure water, bathing industry, swimming pool, laundry industry,aquaculture,fish farm...
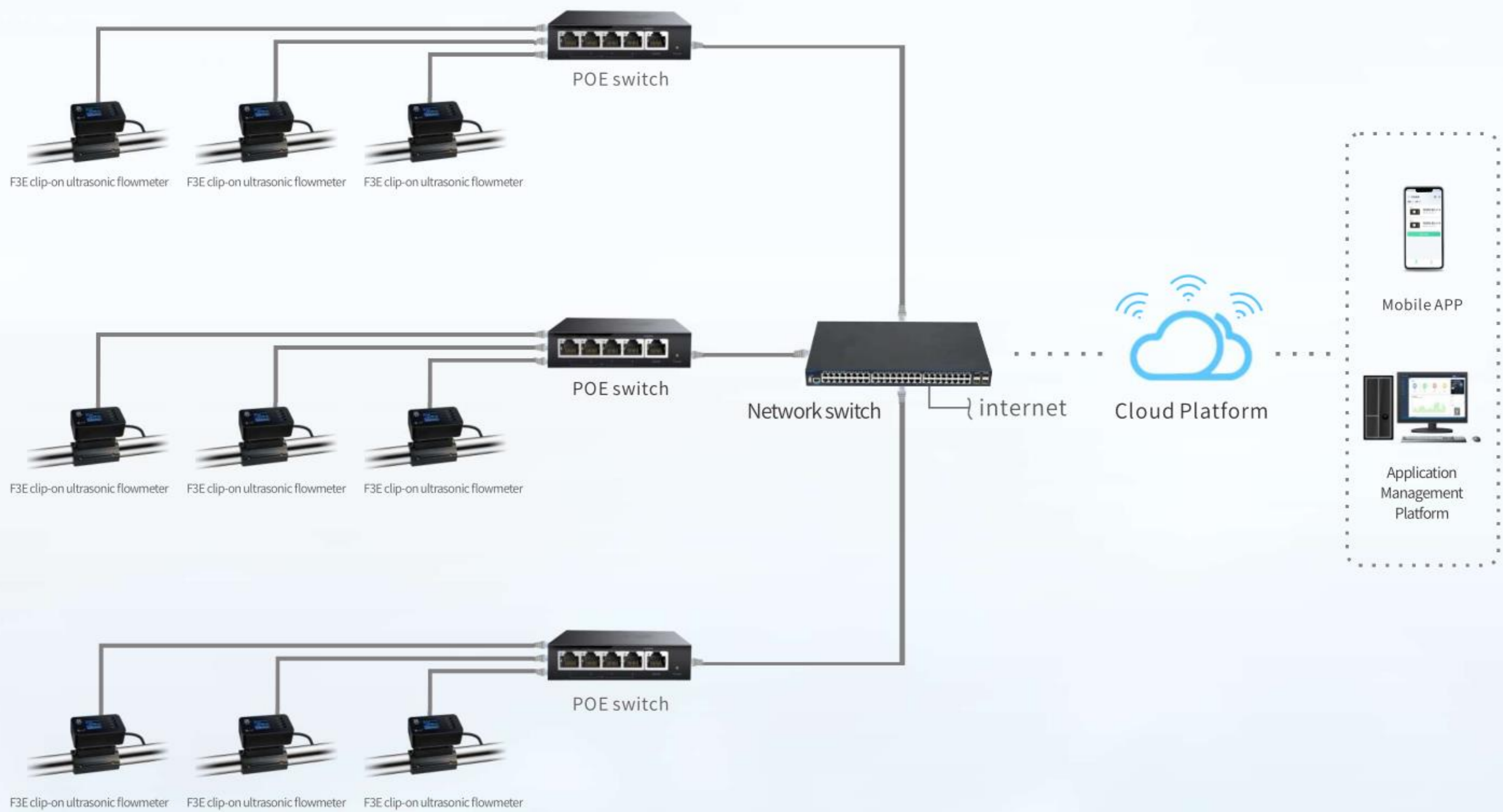
Application Topology

The F3E meter is connected to the POE switch through a network cable, and then the POE switch is connected to the Internet through a router.The meter flow data is uploaded to the cloud server via the Internet. The APP software can be used to access cloud data and operate through mobile terminals and PC terminals.
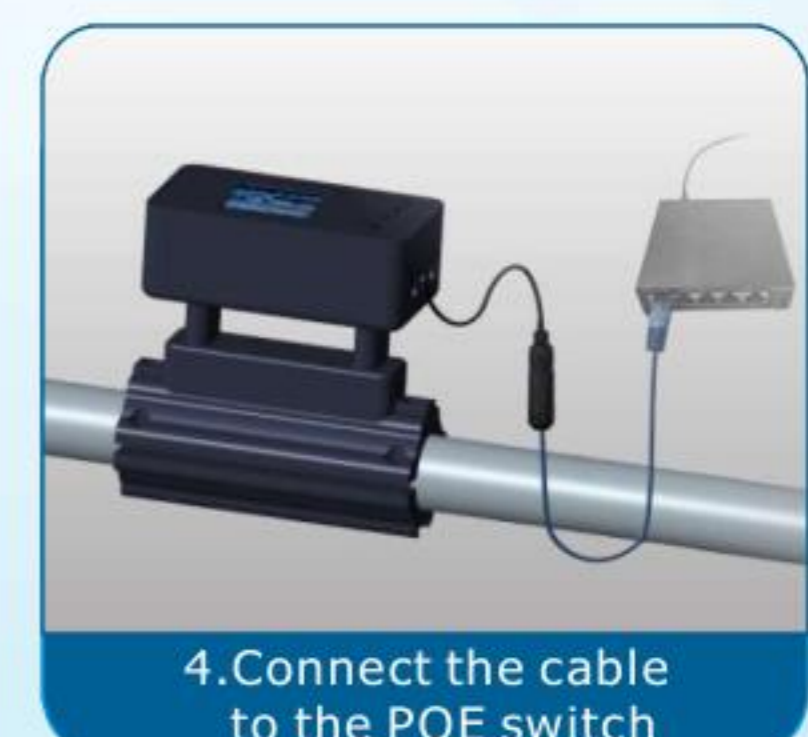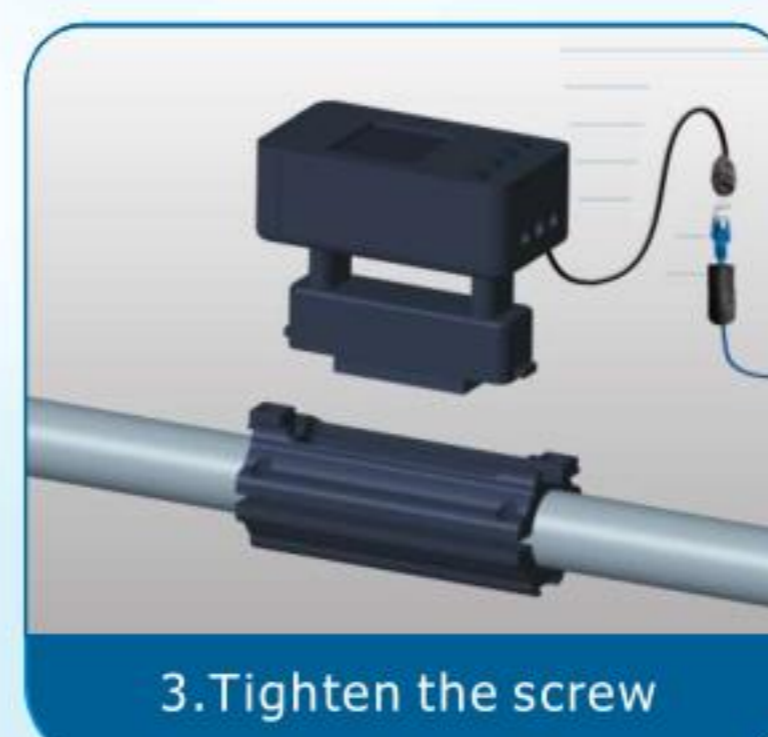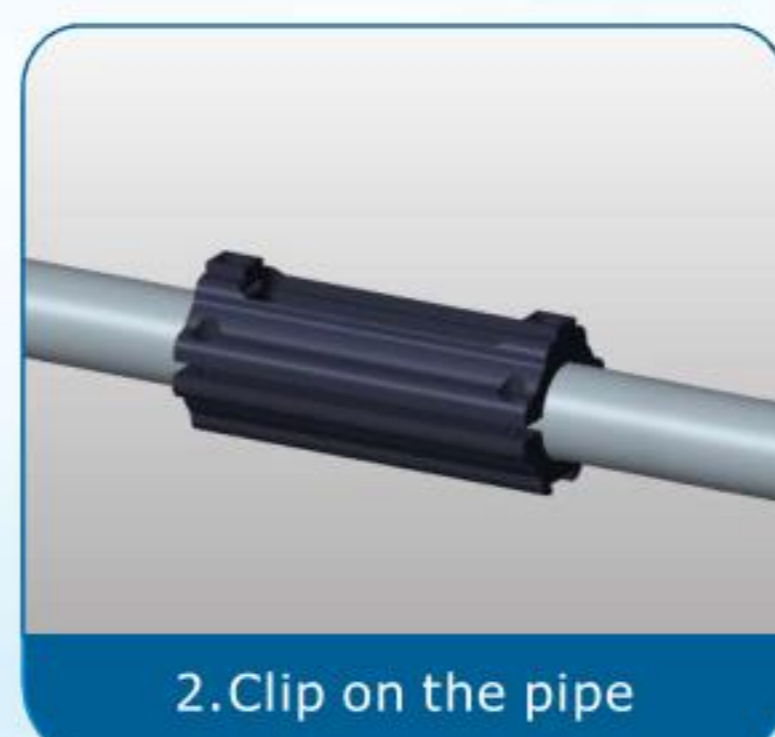
Connect the F3E to an RJ45 (POE) which is connected to the network through a network cable and the F3E should be power-on.Android phone users can scan the QR code of the APP, and install it's software according to the prompts.

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

POE switch

F3E clip-on ultrasonic flowmeter　F3E clip-on ultrasonic flowmeter　F3E clip-on ultrasonic flowmeter

POE switch

F3E clip-on ultrasonic flowmeter　F3E clip-on ultrasonic flowmeter　F3E clip-on ultrasonic flowmeter

POE switch

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Network switch

internet

Cloud Platform

Mobile APP

Application Management Platform

Installation Method

All-in-one design, easy to install

No need to break pipe or shut down,

Simple setting and Clip-on for measurement.

1.Take out the product

2.Clip on the pipe

3.Tighten the screw

4.Connect the cable to the POE switch

Product Model

Format of choosing   Model: F3E; Format: A-B

MODEL	Transmitter description	
	Model Name: F3E Clip-on Ultrasonic Flowmeter	Pipe material: carbon steel, stainless steel, copper, PVC
	Velocity range: 0.03~5m/s	Transmitter installation temperature: -10℃~50℃
	Accuracy: ±2% (0.3~5.0m/s)	Transducer measurement medium: 0℃~60℃
F3E Series	Repeatability: 0.2%	Humidity: 0~99% RH, non-condensing
	Keyboard: 4 touch keys	Cable: POE waterproof pigtail, standard length: 0.8m
	Display: 1.44" LCD color screen	Power supply: POE network cable power supply
	Installation method: clamp-on, screw fastening	Protection Rate: IP54
	Power consumption: 5W (depending on function)	Communication: Ethernet

SPECIFICATIONS

A	Pipe Size
	Unit:mm Pipe material (PVC, Carbon Steel, Stainless Steel)
Pipe OD Range	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: F3E; Specification: DN20-1
For example: {Model: F3E; Specification: DN20, Carbon Steel}

* POE switch is not included.

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
...

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
E3 Clip-on energy meter
F2 Clip-on flow meter
F3E Clip-on flow meter
...

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