

Gentos Measurement & Control Co.,Ltd.

pFlow

# F3E Clip-on Ultrasonic Flowmeter

POE network cable power supply



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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 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...



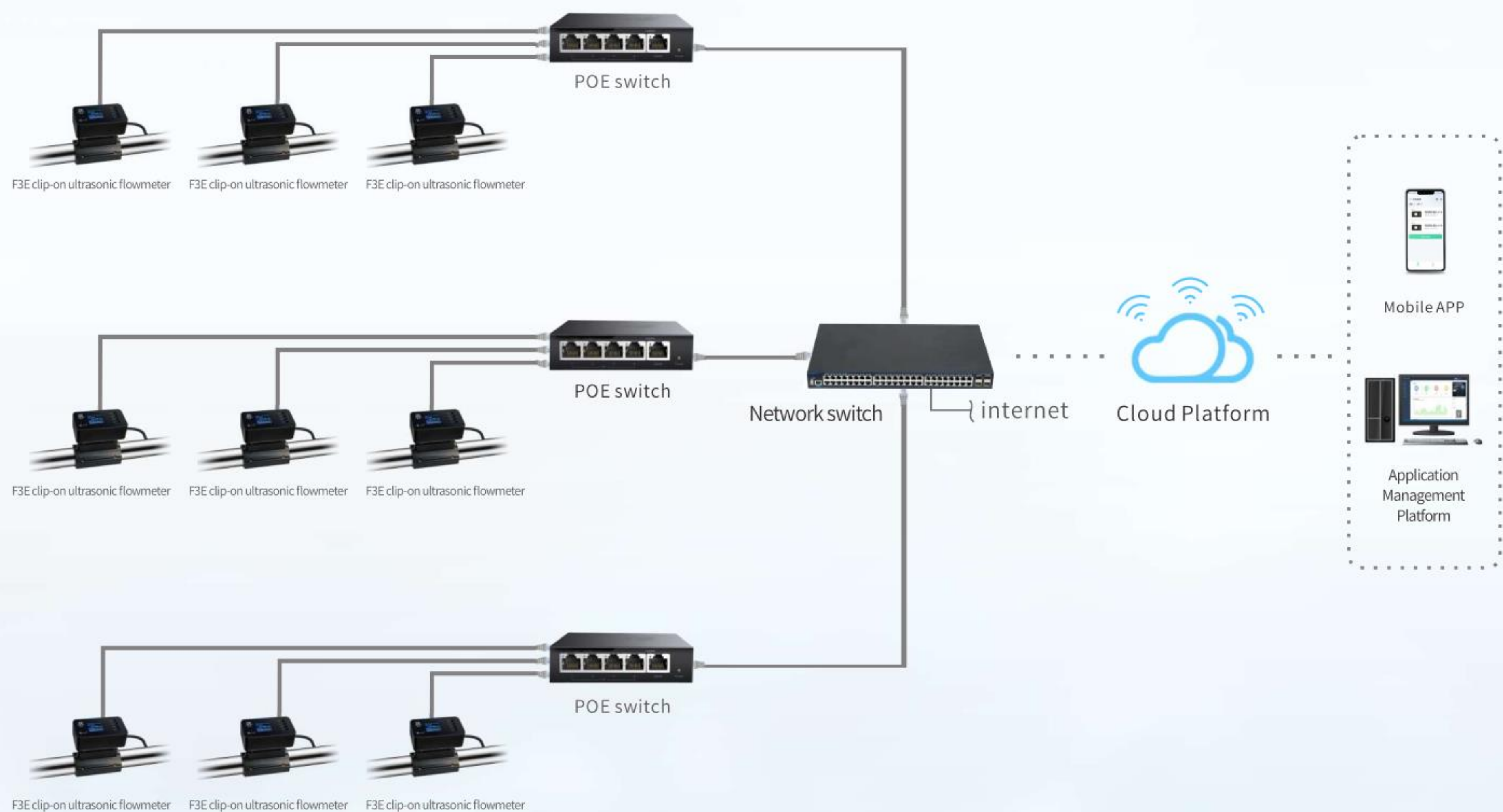


## Application Topology

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.

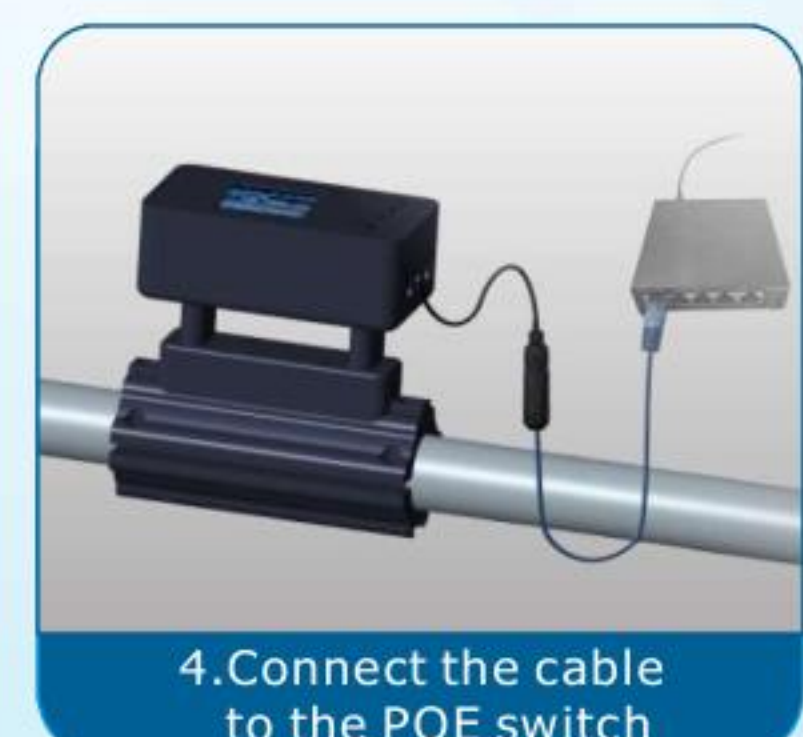
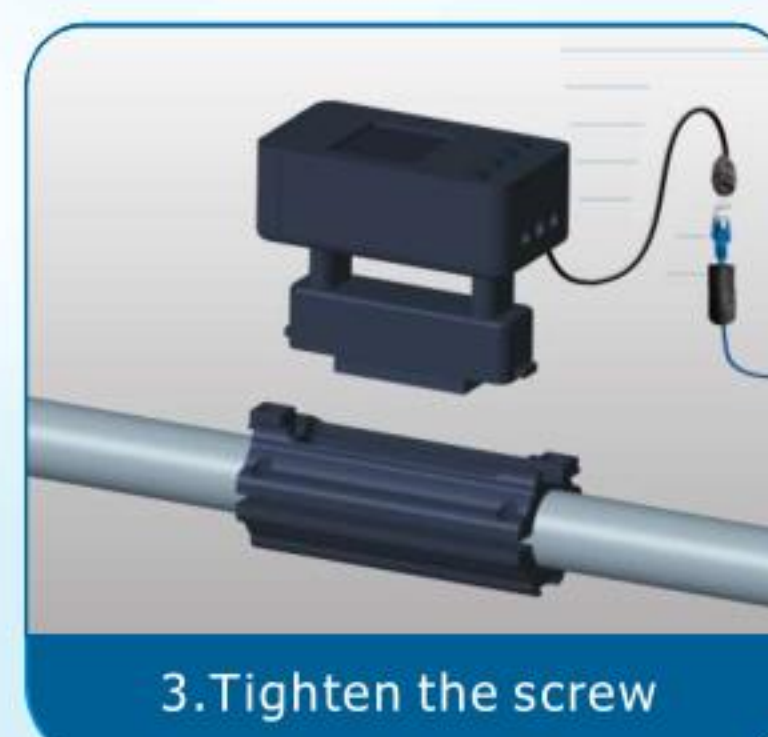
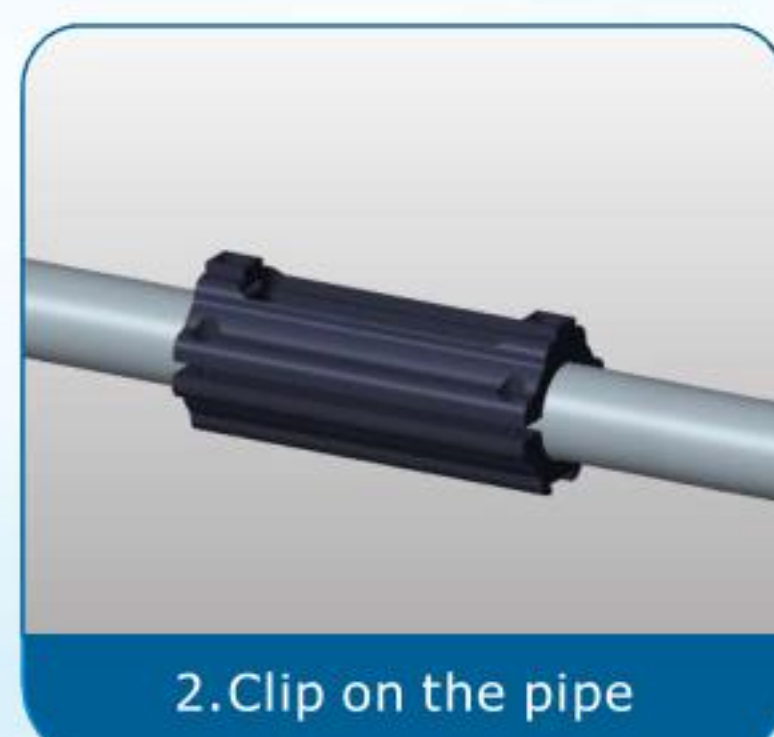
Connect the F3E to an RJ45 (POE) which is connected to the network through a network cable and the F3E should be power-on. Android phone users can scan the QR code of the APP, and install its software according to the prompts.

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



## Installation Method

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





# Product Model

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

### MODEL

F3E Series

### SPECIFICATIONS

#### A

Pipe size

#### B

- 1
- 2
- 3
- 4

### 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°C~50°C
Accuracy: ±2% (0.3~5.0m/s)	Transducer measurement medium: 0°C~60°C
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

### Pipe range

DN20、DN25、DN32、DN40、DN50、DN65、DN80

### Pipe materia

Carbon Steel
Stainless Steel
Copper
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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