pFlow

ULTRASONIC

Gentos Measurement & Control Co., Ltd

# FLOWMETER

PRODUCT CATALOG

# Certificate

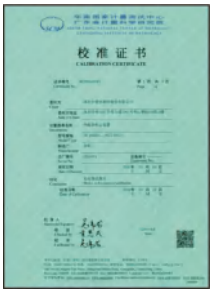

CE

ISO14001: 2015


MSDS Report

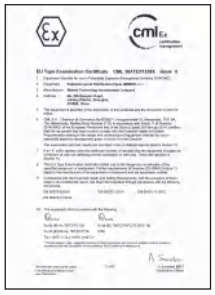
ISO9001: 2016


TEST REPORT OF
LITHIUM BATTERY PACK




Calibration Certificate


EXPLOSION PROTECTION
CERTIFICATE OF CONFORMITY



EU Type Examinaon
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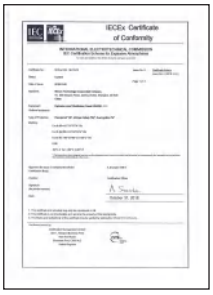



IECEx certificate
of conformity

MEASURING INSTRUMENT
APPROVAL CERTIFICATE OF P.R.C

# R&D Center

# Engineering Team

# Multipath Ultrasonic Flowmeter D348D Plus

## Introduction:

Introducing our High Accuracy Ultrasonic Multipath Flow Meter, designed for precise liquid measurements across various industries. With 1 to 6 channels, it ensures exceptional accuracy using advanced ultrasonic technology. The robust design and user-friendly interface simplify installation and maintenance. Ideal for water management, chemical processing, and more, this flow meter offers unparalleled precision and efficiency. Enhance your operations with our versatile and innovative flow measurement solution.

| | |
|---|---|
| **Flow Velocity** | ±(0.03 ft/s ~23 ft/s), ±(0.01 m/s ~7 m/s) |
| **Pipe Size** | 1"~200"(25mm~5000mm), support 2~6 sound channels |
| **Accuracy** | ±0.5% of measured value |
| **Repeatability** | 0.10% |
| **Application** | Water, sewage (with low particle content) and seawater, water plant, sewage treatment plants, plant irrigation, cooling water, energy-saving monitoring, water-saving management.... |
| **Pipe Material** | Steel, ABS, Aluminum, Brass, Cast iron, Bronze, PVC, Polyethylene... |
| **I/O** | RS-232, RS-485 Communication Interface, Support Modbus Protocol<br>Analog output：4~20mA，maximum：750Ω<br>Pulse output：0~9999Hz，OCT output（adjustable）<br>Relay output：the highest 1Hz (1A@125VAC or 2A@30VDC) |
| **Power Supply** | 90～250VAC@48～63Hz or 10～36VDC |
| **Temperature** | Transmitter: -10℃～60℃ |
| | Transducer: -40℃～80℃（standard） |
| **IP Rating** | Transmitter: Die-cast aluminum, IP65<br>Transducer: Encapsulated design, IP68 |
| **Transducer Cable** | The standard length of cable: 30ft (9m) |

# Ultrasonic Flowmeter P118i

## Introduction:

Our High Accuracy Ultrasonic Portable Flow Meter offers precise liquid measurement with clamp-on transducers and sensor magnet rails. This portable device ensures reliable readings and easy installation, making it perfect for a variety of applications. Ideal for quick, non-intrusive measurements, it combines advanced technology with user convenience, delivering unparalleled accuracy and efficiency in liquid flow monitoring. Elevate your operations with this innovative flow measurement solution.


| | |
|---|---|
| **Flow Velocity** | ± (0.03 ~ 40) ft/s, ± (0.01 ~ 12) m/s |
| **Pipe Size** | 0.6" ~ 240" (15mm~6000mm) |
| **Accuracy** | ± 0.5% of measured value<br>1.5 ft/s～40 ft/s or -1.5 ft/s～-40 ft/s （0.5 m/s～12 m/s or -0.5 m/s～-12 m/s） |
| **Repeatability** | 0.15% |
| **Application** | Water, sewage (with low particle content) and seawater, water plant, sewage treatment plants, plant irrigation, cooling water, energy-saving monitoring, water-saving management.... |
| **Pipe Material** | Steel, ABS, Aluminum, Brass, Cast iron, Bronze, PVC, Polyethylene... |
| **I/O** | Analog output: 4 ~ 20 mA, ( max load 750 Ω )<br>Pulse output: 0 ~ 9999 Hz, OCT ( min. and max. frequency is adjustable )<br>Relay output: max. frequency 1Hz ( 1A@125VAC or 2A@30VDC ) |
| **Power Supply** | Rechargeable Lithium Battery Power (continuous operation of main battery 10 hours) |
| **Temperature** | Transmitter: 14°F to 122°F (-10℃～50℃)<br>Transducer: -40°F to 176°F (-40℃～80℃, standard） |
| **Transmitter** | NEMA13 (IP54) |
| **Transducer** | Encapsulated design, IP68 |
| **Transducer Cable** | Standard cable length: 5m |

# Ultrasonic Flowmeter D118i

## Introduction:

Experience unmatched precision with our High Accuracy Ultrasonic Wall Mount Flow Meter. Equipped with clamp-on transducers, a vibrant screen, and an advanced analyzer, this device ensures accurate liquid measurements. Its user-friendly design simplifies monitoring and installation, making it perfect for diverse applications. Upgrade your liquid flow monitoring with this state-of-the-art, reliable, and efficient solution.


| | |
|---|---|
| **Flow Velocity** | 0.03～±40ft/s (±0.01～12m/s) |
| **Pipe Size** | 1" ～200" (25mm～5000mm) |
| **Accuracy** | ±0.5% of measured value<br>1.5 ft/s～15 ft/s (0.5 m/s～5 m/s) |
| **Repeatability** | 0.10% |
| **Application** | Water, sewage (with low particle content) and seawater, water plant, sewage treatment plants, plant irrigation, cooling water, energy-saving monitoring, water-saving management.... |
| **Pipe Material** | Carbon Steel, Stainless Steel, Cast Iron, Ductile Iron, Copper, PVC, Aluminum, Asbestos... |
| **I/O** | RS-232/RS-485 Modbus Protocol<br>4～20mA，maximum：750Ω<br>Pulse output：0～9999Hz，OCT output（adjustable）<br>Relay output：the highest 1Hz（1A@125VAC or 2A@30VDC) |
| **Power Supply** | 90～250VAC@48～63Hz or 10～36VDC |
| **Temperature** | Transmitter: 14°F to 122°F (-10℃～50℃)<br>Transducer: -40°F to 176°F (-40℃～80℃, standard） |
| **Transmitter** | Die-cast aluminum, IP65 |
| **Transducer** | Encapsulated design, IP68 |
| **Transducer Cable** | The standard length of cable: 9m |

# Ultrasonic Flowmeter D118

## Introduction:

Precision meets versatility in our High Accuracy Ultrasonic Wall Mount Flow Meter, engineered for liquid applications. Featuring clamp-on transducers adept at measuring high temperatures and thermal energy, this meter delivers reliable, precise measurements. Streamlined installation and operational efficiency make it an ideal choice across diverse industries, ensuring robust performance in liquid flow monitoring.

| | |
|---|---|
| **Flow Velocity** | ±(0.03ft/s ~ 40 ft/s), ±(0.01m/s ~ 12 m/s ) |
| **Pipe Size** | 1″ ~ 200″ ( 25 mm~5000 mm ) |
| **Accuracy** | ± 0.5% of measured value<br>1.5 ft/s～40 ft/s or -1.5 ft/s～-40 ft/s （0.5 m/s～12 m/s or -0.5 m/s～-12 m/s） |
| **Repeatability** | 0.15% |
| **Application** | Water, sewage (with low particle content) and seawater, water plant, sewage treatment plants, plant irrigation, cooling water, energy-saving monitoring, water-saving management.... |
| **Pipe Material** | Carbon Steel, PVC, Stainless Steel, Aluminum, Cast Iron, Asbestos, Ductile Iron, Copper... |
| **I/O** | RS232 & RS485<br>Analog output: 4 ~ 20 mA, ( max load 750 Ω )<br>Pulse output: 0 ~ 9999 Hz, OCT ( min. and max. frequency is adjustable )<br>Relay output: SPST max. frequency 1Hz ( 1A@125VAC or 2A@30VDC ) |
| **Power Supply** | 90 ~ 245 VAC (48 ~ 63 Hz) Or 10 ~ 36 VDC |
| **Temperature** | Transmitter: 14°F ~ 122°F (-10℃ ~ 50℃ ) |
| **Temperature** | Transducer: -40°F ~ 176°F ( - 40℃ ~ 80℃, standard ) |
| **Transmitter** | Die-cast aluminum, IP65 |
| **Transducer** | Encapsulated design |
| **Transducer Cable** | Standard / Maximum cable length: 30 ft/1000 ft (9m / 305m) |

# Ultrasonic Flowmeter P117

## Introduction:

Our Economic Ultrasonic Portable Flow Meter sets a new standard in liquid measurement. Featuring clamp-on transducers and sensor magnet rails, this versatile device offers cost-effective accuracy. Designed for ease of use and reliability, it provides seamless installation and operation across diverse industrial applications. Enhance your workflow with this efficient and economical solution for precise liquid flow monitoring.


| | |
|---|---|
| **Flow Velocity** | ±(0.03 ~ 20)ft/s, ±(0.01 ~ 6)m/s |
| **Pipe Size** | 1"~48" (25mm~1200mm) |
| **Accuracy** | ±1.0% of measured value |
| **Repeatability** | 0.30% |
| **Application** | Water, sewage (with low particle content) and seawater, water plant, sewage treatment plants, plant irrigation, cooling water, energy-saving monitoring, water-saving management.... |
| **Pipe Material** | Carbon Steel, Stainless Steel, Cast Iron, Ductile Iron, Copper, PVC, Aluminum, Asbestos, Fiber Glass-Epoxy... |
| **I/O** | Analog output: 4 ~ 20 mA, Max load 750Ω |
| **Power Supply** | Rechargeable Lithium Battery Power (continuous operation of main battery 6 hours) |
| **Temperature** | Transmitter: 14°F ~ 122°F (- 10℃ ~ 50℃ ) |
| **Temperature** | Transducer: -40°F ~ 176°F ( - 40℃ ~ 80℃, standard ) |
| **Transmitter** | NEMA13 (IP54) |
| **Transducer** | Encapsulated design, IP68 |
| **Transducer Cable** | Standard cable length: 5m |

# Ultrasonic Flowmeter D116

## Introduction:

The D116 is a wall-mounted, clamp-on flow meter, which is compact and lightweight, facilitates disassembly and reinstallation, and does not damage any facilities.

| | |
|---|---|
| **Flow Velocity** | 0.03 ~ 16 ft/s ( 0.01 ~ 5.0 m/s ) |
| **Pipe Size** | 1" to 48" (25mm ~ 1200mm) |
| **Accuracy** | ± 1.0% |
| **Repeatability** | 0.30% |
| **Application** | HVAC，Process industries，Energy management and environmental monitoring，Agriculture and irrigation systems，Facilities management，Industrial maintenance and troubleshooting |
| **Pipe Material** | Carbon Steel，Stainless Steel，Cast Iron，Ductile Iron，Copper，PVC，Aluminum，Asbestos，Fiber Glass-Epoxy |
| **I/O** | Analog output: 4~20mA, max load 750Ω.<br>Pulse output: 0~9999Hz, OCT，(min. and max. frequency is adjustable) |
| **Power Supply** | 10～36VDC/1A |
| **Temperature** | Transmitter: 14℉~122℉ (-10℃~50℃) |
| | Transducers(CP037): 32℉~176℉ (0℃~80℃)<br>Temperature sensors(PT1000): 32℉~212℉ (0℃~100℃) |
| **IP Rating** | Transmitter: IP65　　Transducers: IP68 |
| **Transducer Cable** | Standard/maximum cable length: 30ft/985ft (9m/300m) |

# Ultrasonic Energy Meter E5

## Introduction:

The E5 clamp-on ultrasonic energy meter offers non-contacting measurement with uncomplicated mounting and minimum maintenance. The flowmeter can be installed and seamlessly integrated without intervention in the piping system or in the production process.

| | |
|---|---|
| **Pipe Size** | 1" to 48" (25mm to 1200mm) |
| **Accuracy** | ± 1.0% |
| **Repeatability** | 0.30% |
| **Application** | HVAC, Process industries, Energy management and environmental monitoring, Agriculture and irrigation systems, Facilities management, Industrial maintenance and troubleshooting |
| **Pipe Material** | Carbon Steel, Stainless Steel, Cast Iron, Ductile Iron, Copper, PVC, Aluminum, Asbestos, Fiber Glass-Epoxy |
| **I/O** | RS485, WiFi<br>OCT Pulse output: 0-5000Hz.<br>Analog output: 4 ~ 20mA, max load 750Ω |
| **Power Supply** | 10～36VDC@1Amax |
| **Temperature** | Transmitter:14℉~122℉(-10℃~50℃) |
| | Transducers(CP037): 32℉~176℉(0℃~80℃)<br>Temperature sensors(PT1000): 32℉~212℉(0℃~100℃) |
| **IP Rating** | Transmitter: IP65 Transducers: IP68 |
| **Transducer Cable** | Standard/maximum cable length:30ft/985ft (9m/300m) |

# Ultrasonic Energy Meter E5E

## Introduction:

E5E Ultrasonic Energy Meter can realize the function of measurement of "cold" and "heat" independently in both directions. It adopts advanced modular design, independent menu operation and LCD backlight display. It is suitable for continuous measurement of cooling and heating of chilled water and cooling water of central air conditioners to meet different measurement requirements.


| | |
|---|---|
| **Flow Velocity** | 0.03 ~ 16 ft/s( 0.01 ~ 5.0 m/s ) |
| **Pipe Size** | 1" ~ 48" (25mm~1200mm) |
| **Accuracy** | ± 1.0% |
| **Repeatability** | 0.30% |
| **Application** | HVAC，Process industries，Energy management and environmental monitoring，Agriculture and irrigation systems，Facilities management，Industrial maintenance and troubleshooting |
| **Pipe Material** | 1. Carbon steel<br>2. Stainless steel<br>3. PVC |
| **I/O** | Input: PT1000 interface/POE, HTTP MQTT Protocal |
| **Power Supply** | POE |
| **Temperature** | Transmitter: 14℉~122℉(-10℃~50℃) |
| | Transducers(CP037): 32℉~176℉(0℃~80℃)<br>Temperature sensors(PT1000): 32℉~212℉(0℃~100℃) |
| **IP Rating** | Transmitter: IP65　　Transducers: IP68 |
| **Transducer Cable** | Standard/maximum cable length: 30ft/985ft(9m/300m) |

# Ultrasonic Flow Meter F5

## Introduction:

F5 is a Digital Correlation Transit Time Flow-meter, with clamp on transducer and clamp on temperature transducers, used to track water flow and can be installed onto single use water or closed circuit chilled or heating water loops. Applications are wide ranging but most factories typically seek to use this meter to reduce water consumption or as a proof of flow through their system.

| | |
|---|---|
| **Flow Velocity** | 0.03 ~ 16 ft/s( 0.01 ~ 5.0 m/s ) |
| **Pipe Size** | 1" ~ 48" (25mm~1200mm) |
| **Accuracy** | ± 1.0% |
| **Repeatability** | 0.30% |
| **Application** | HVAC，Process industries，Energy management and environmental monitoring，Agriculture and irrigation systems，Facilities management，Industrial maintenance and troubleshooting |
| **Pipe Material** | Carbon Steel，Stainless Steel，Cast Iron，Ductile Iron，Copper，PVC，Aluminum，Asbestos，Fiber Glass-Epoxy |
| **I/O** | Analog output: 4~20mA, max load 750Ω.<br>Pulse output: 0~9999Hz, OCT, (min. and max. frequency is adjustable) |
| **Power Supply** | 10～36VDC@1Amax |
| **Temperature** | Transmitter: 14℉~122℉(-10℃~50℃) |
| | Transducers(CP037): 32℉~176℉(0℃~80℃) |
| **IP Rating** | Transmitter: IP65　　Transducers: IP68 |
| **Transducer Cable** | Standard/maximum cable length: 30ft/985ft(9m/300m) |

# Ultrasonic Flow Meter F5E

## Introduction:

F5E ultrasonic flowmeter combines ultrasonic flowmeter, Internet+, and advanced modular. Combined with Gentos ultrasonic signal processing technology and unique flow algorithm, fluidflow in the pipeline can be accurately measured.
It 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 and anytime.


| | |
|---|---|
| **Flow Velocity** | 0.01～5.0 m/s（0.03～16 ft/s） |
| **Pipe Size** | Clamp-on: DN25～DN1200（1”～48”） |
| **Accuracy** | ±1% (0.3~5m/s standard condition) |
| **Repeatability** | 0.20% |
| **Pipe Material** | 1. Carbon steel<br>2. Stainless steel<br>3. PVC |
| **Power Supply** | POE Network cable power supply |
| **Temperature** | Transmitter temperature: -10℃～50℃<br>Transducer temperature: 0℃～80℃ |
| **Transmitter** | PC/ABS plastic housing, IP65 |
| **Transducer** | Sealed design, IP68 |
| **Transducer Cable** | Flow sensor standard length: 9m（30ft） |

# Ultrasonic Energy Meter E8

## Introduction:

E8 series ultrasonic energy meter is a state-of-the-art transit time ultrasonic flowmeter. Designed using the latest digital technology and low-voltage broadband pulse transmission.
While principally designed for full-pipe clean liquid applications.The instrument is tolerant of liquids with small amounts of air bubbles or suspended solids found in mostindustrial environments.

| | |
|---|---|
| **Flow Velocity** | ±(0.03ft/s ~ 40 ft/s)<br>±(0.01m/s ~ 12 m/s ) |
| **Pipe Size** | 1″ ~ 200″ ( 25mm~5000mm) |
| **Accuracy** | Flow accuracy: ±0.5% of measured value. Energy accuracy: ±2%.<br>1.5 ft/s～40 ft/s or -1.5 ft/s～-40 ft/s （0.5 m/s～12 m/s or -0.5 m/s～-12 m/s） |
| **Repeatability** | 0.15% |
| **Application** | It can be widely used in saving-energy, air-conditioning, building automation system, data central, energy audit, HVAC, etc |
| **Pipe Material** | Carbon Steel, PVC, Stainless Steel, Asbestos, Cast Iron, Aluminum, Ductile Iron, Fiber Glass-Epoxy, Copper, etc |
| **I/O** | Analog output: 4 ~ 20 mA, ( max load 750 Ω )<br>Pulse output: 0 ~ 9999 Hz, OCT ( min. and max. frequency is adjustable )<br>Relay output: SPST max. frequency 1Hz ( 1A@125VAC or 2A@30VDC )<br>2*PT1000 interface<br>Three-wire system：0~100℃（32～212℉）heat (cold) energy meter<br>WiFi, RS232 & RS485 |
| **Power Supply** | 90 ~ 245 VAC (48 ~ 63 Hz) Or 10 ~ 36 VDC |
| **Temperature** | Transmitter: 14°F ~ 122 °F (- 10℃ ~ 50℃ )<br>Transducer: -40 °F ~ 176 °F ( - 40 ℃ ~ 80 ℃ standard ) |
| **Transmitter** | Die-cast aluminum, IP65 |
| **Transducer** | Encapsulated design, IP68 |
| **Transducer Cable** | Standard / Maximum cable length: 30 ft / 1000 ft ( 9m / 305 m ) |

# Ultrasonic Flow Meter F8

## Introduction:

F8 series ultrasonic energy meter that can realize the bidirectional independent measurement function of "cold" and "hot".
It adopts advanced modular all-in-one design, independent menu operation,LCD backlight display, and it is suitable for the continuous measurement of cooling and heating energy of central air-conditioning's chilled water and cooling water, meeting different measurement requirements.

| | |
|---|---|
| **Flow Velocity** | ±(0.03ft/s ~ 40 ft/s)<br>±(0.01m/s ~ 12 m/s ) |
| **Pipe Size** | 1″ ~ 200″ ( 25 mm ~ 5000 mm ) |
| **Accuracy** | ± 0.5% of measured value.<br>1.5 ft/s～40 ft/s or -1.5 ft/s～-40 ft/s ( 0.5 m/s～12 m/s or -0.5 m/s～-12 m/s ) |
| **Repeatability** | 0.15% |
| **Application** | It can be widely used in saving-energy, air-conditioning, building automation system, data central, energy audit, HVAC, etc |
| **Pipe Material** | Carbon Steel, PVC, Stainless Steel, Asbestos, Cast Iron, Aluminum, Ductile Iron, Fiber Glass-Epoxy, Copper, etc |
| **I/O** | Analog output: 4 ~ 20 mA, ( max load 750 Ω )<br>Pulse output: 0 ~ 9999 Hz, OCT ( min. and max. frequency is adjustable )<br>Relay output: SPST max. frequency 1Hz ( 1A@125VAC or 2A@30VDC )<br>WiFi, RS232 & RS485 |
| **Power Supply** | 90 ~ 245 VAC (48 ~ 63 Hz) Or 10 ~ 36 VDC |
| **Temperature** | Transmitter: 14°F ~ 122 °F (- 10℃ ~ 50℃ )<br>Transducer: -40 °F ~ 176 °F ( - 40 ℃ ~ 80 ℃, standard ) |
| **Transmitter** | Die-cast aluminum, IP65 |
| **Transducer** | Encapsulated design, IP68 |
| **Transducer Cable** | Standard / Maximum cable length: 30 ft / 1000 ft ( 9m / 305 m ) |

# MFCL Ultrasonic Micro Flowmeter

## Introduction:

The MFCL micro flow meter is suitable for supporting new energy equipment, medical devices, smart aquaculture equipment,smart agricultural equipment, and more.
It adopts the measurement principle of ultra-sonic-timemethod, relies on high reliability signal processing circuits, and accurately measures flow rate through complex algo-rithms such as sampling,calculation, and correction.

| | |
|---|---|
| **Flow Velocity** | 0.03m/s~5.0m/s |
| **Pipe Size** | DN10 (OD13.5~18.5mm） |
| **Accuracy** | ±2%,（0.3m/s ~5m/s） |
| **Application** | Pharmaceutical Equipment，Smart Farming Equipment，New Energy Equipment Supporting Intelligent Agricultural Equipment |
| **Repeatability** | 0.40% |
| **Pipe Material** | Stainless Steel/ PVC/ Copper/ PPR （one pipe type/model） |
| **I/O** | 4~20mA, RS485 |
| **Power Supply** | 10～36VDC/500mA |
| **Temperature** | Transmitter: 14℉ to 122℉（-10℃ ~ 50℃） Transducer: 32℉ to 140℉（0℃ ~ 60℃） |
| **Temperature** | Transmitter: 14℉ to 122℉（-10℃ ~ 50℃） Transducer: 32℉ to 140℉（0℃ ~ 60℃） |
| **Transmitter** | All-in-one |
| **Transducer** | Clamp on |
| **Transducer Cable** | φ5 six core cable, standard length: 2m |

# MFR Ultrasonic Micro Flowmeter

## Introduction:

The MFR uses LoRa communication, a low-cost, ultra-remote technology, to transmit information at low frequencies. It uses the ultrasonic transit time measurement principle and patented flow algorithm technology for accurate fluid flow measurement. The product is an all-in-one, clip-on structure, easy to install, requiring only four steps and no contact with fluid media.

| | |
|---|---|
| **Flow Velocity** | 0.03m/s~5.0m/s |
| **Pipe Size** | DN10 (OD 13.5~18.5mm） |
| **Accuracy** | ±2.0% |
| **Repeatability** | 0.40% |
| **Application** | Pharmaceutical Equipment，Smart Farming Equipment，New Energy Equipment Supporting，Intelligent Agricultural Equipment |
| **Pipe Material** | Copper/ Stainless steel/ PVC/ PPR （one pipe type/model） |
| **I/O** | RS485+LoRa |
| **Power Supply** | 10~36VDC/500mA |
| **Temperature** | Ambient Temperature: -10'C~50°C |
| **Temperature** | Fluid Temperature: 0°C~60°C |
| **Transmitter** | All-in-one |
| **Transducer** | Clamp On |
| **Transducer Cable** | φ5 six-core cable, standard length: 2m |

# GFCL Ultrasonic Flowmeter

## Introduction:

The GFCL Ultrasonic Flow Meter (DN15-DN32) is a compact and efficient solution for precise liquid measurement. Featuring RS485 and 4-20mA output options, it ensures seamless integration and accurate data transmission. Designed for small-diameter pipes, it offers reliable performance and easy installation, making it ideal for various industrial applications.

| | |
|---|---|
| **Flow Velocity** | 0.03m/s~5.0m/s |
| **Pipe Size** | DN15, DN20, DN25, DN32 |
| **Accuracy** | ±2%, (0.3m/s ~5m/s) |
| **Repeatability** | 0.40% |
| **Application** | Pharmaceutical Equipment，Smart Farming Equipment，New Energy Equipment Supporting Intelligent Agricultural Equipment |
| **Pipe Material** | Stainless Steel/ PVC/ Copper/ PPR (one pipe type/model) |
| **I/O** | 4~20mA, RS485 |
| **Power Supply** | 10～36VDC/500mA |
| **Temperature** | Transmitter: 14℉ to 122℉ (-10℃ ~ 50℃)<br>Transducer: 32℉ to 140℉ (0℃ ~ 60℃) |
| **Temperature** | Transmitter: 14℉ to 122℉ (-10℃ ~ 50℃)<br>Transducer: 32℉ to 140℉ (0℃ ~ 60℃) |
| **Transmitter** | All-in-one |
| **Transducer** | Clamp on |
| **Transducer Cable** | φ5 six core cable, standard length: 2m |

# GFR Ultrasonic Flowmeter

## Introduction:

Designed for precise liquid measurement, the GFR Ultrasonic Flow Meter (DN15-DN32) offers compact versatility and advanced technology. With RS485 and LoRa connectivity, it ensures reliable, long-range data communication. Ideal for small-diameter pipes, this flow meter provides accurate readings and straightforward installation, making it a valuable asset in various industrial environments.

| | |
|---|---|
| **Flow Velocity** | 0.03m/s~5.0m/s |
| **Pipe Size** | DN15, DN20, DN25, DN32 |
| **Accuracy** | ±2.0% |
| **Repeatability** | 0.40% |
| **Application** | Pharmaceutical Equipment，Smart Farming Equipment，New Energy Equipment Supporting，Intelligent Agricultural Equipment |
| **Pipe Material** | Copper/ Stainless steel/ PVC/ PPR/ （one pipe type/model） |
| **I/O** | RS485+LoRa |
| **Power Supply** | 10~36VDC/500mA |
| **Temperature** | Ambient Temperature: -10'C~50°C |
| **Temperature** | Fluid Temperature: 0°C~60°C |
| **Transmitter** | All-in-one |
| **Transducer** | Clamp On |
| **Transducer Cable** | φ5 six-core cable，standardlength: 2m |

# E3CL/E3RO

## Ultrasonic Thermal Energy/BTU Flow Meter

### Introduction:

The E3CL/E3RO Clip-on Ultrasonic Thermal Energy / BTU Flow Meter uses ultrasonic time difference method and Gentos' ultrasonic flow algorithm technology for accurate measurement of fluid flow and heat volume in pipelines. It features an integrated external clamp structure for easy installation, avoiding contact with fluid mediums and production interruptions.

RS485 | OCT Pulse&Relay | 4~20mA

| | |
|---|---|
| **Flow Velocity** | 0.03m/s~5m/s |
| **Pipe Size** | DN20， DN25, DN32, DN40, DN50, DN65, DN80 |
| **Accuracy** | ±2% |
| **Repeatability** | 0.20% |
| **Application** | HVAC, heating, energy-savingmonitoring, heat balance regulation, heatingregulation, AHU room, thermal energytransformation... |
| **Pipe Material** | PVC/Carbon Steel/Stainless Steel/Copper ( one pipe type/model ) |
| **I/O** | E3CL, RS485+4~20mA<br>E3RO, RS485+OCT Pulse<br>E3RO, RS485+Relay<br>E3RO, OCT Pulse+Relay |
| **Power Supply** | 10~36VDC/500mA |
| **Temperature** | Ambient Temperature: -10'C~50°C |
| **Temperature** | Fluid Temperature: 0°C~60°C |
| **Transmitter** | All-in-one |
| **Transducer** | Clamp On |
| **Transducer Cable** | φ5 six-core cable, standard length: 2m(6.6ft) |

# E3W

## Ultrasonic Thermal Energy/BTU Flow Meter

### Introduction:

The Gentos quick measure E3W uses ultrasonic transit time measurement and Gentos' flow algorithm technology for accurate fluid flow measurement in pipes. It's a simple, convenient, and all-in-one device that requires only four steps to install, requires no contact with fluid media, and supports WIFI communication for cloud data storage.


| | |
|---|---|
| **Flow Velocity** | 0.03m/s~5m/s |
| **Pipe Size** | DN20， DN25, DN32, DN40, DN50, DN65, DN80 |
| **Accuracy** | ±2% |
| **Repeatability** | 0.20% |
| **Application** | HVAC, heating, energy - savingmonitoring, heat balance regulation, heatingregulation, AHU room, thermal energytransformation... |
| **Pipe Material** | PVC/Carbon Steel/Stainless Steel/Copper ( one pipe type/model ) |
| **I/O** | RS485, WIFI, Android App or PC web platform |
| **Power Supply** | 10~36VDC/500mA |
| **Temperature** | Ambient Temperature: -10'C~50°C |
| **Temperature** | Fluid Temperature: 0°C~60°C |
| **Transmitter** | All-in-one |
| **Transducer** | Clamp On |
| **Transducer Cable** | φ5 six-core cable, standard length: 2m(6.6ft) |

# E3R

## Ultrasonic Thermal Energy/BTU Flow Meter

## Introduction:

E3R uses LoRa communication technology and supports LoRaWAN protocol, enabling low frequency, complexity, and cost-effective transmission of information. It offers ultra-long distance, low power consumption, high availability, and low cost, making it suitable for various regions. E3R uses ultrasonic transit time measurement and Gentos' flow algorithm for accurate fluid flow measurement. The all-in-one, clamp-on structure design is simple and convenient to install, requiring only four steps and no contact with fluid media.


| | |
|---|---|
| **Flow Velocity** | 0.03m/s~5m/s |
| **Pipe Size** | DN20， DN25, DN32, DN40, DN50, DN65, DN80 |
| **Accuracy** | ±2%, (1.0ft/s~16ft/s) |
| **Repeatability** | 0.20% |
| **Application** | HVAC, heating, energy - savingmonitoring, heat balance regulation, heatingregulation, AHU room, thermal energytransformation... |
| **Pipe Material** | PVC/Carbon Steel/Stainless Steel/Copper ( one pipe type/model ) |
| **I/O** | RS485+LoRa |
| **Power Supply** | 10~36VDC/500mA |
| **Temperature** | Ambient Temperature: -10'C~50°C |
| **Temperature** | Fluid Temperature: 0°C~60°C |
| **Transmitter** | All-in-one |
| **Transducer** | Clamp On |
| **Transducer Cable** | φ5 six-core cable, standard length: 2m(6.6ft) |

# F3CL/F3RO

## Clip-on Ultrasonic Flowmeter

RS485 | OCT Pulse&Relay | 4~20mA

## Introduction:

pFlow F3CL\F3RO clip-on ultrasonic flowmeter adopts the measurement principle of ultrasonic transit-time method, is combined with Gentos' ultrasonic flow algorithm technology. Easy to install and monitoring water flow conveniently.


| | |
|---|---|
| **Flow Velocity** | 0.1ft/s~16ft/s (0.03~5.0m/s) |
| **Pipe Size** | DN20，DN25, DN32, DN40, DN50, DN65, DN80 |
| **Accuracy** | ±2%，(1.0ft/s~16ft/s) |
| **Repeatability** | 0.20% |
| **Application** | Modern Agricultural Irrigation, Garden Irrigation<br>Seawater Desalination, Desalination Technology<br>Residential Water, Washing Industries, HVAC |
| **Pipe Material** | Carbon Steel/ Stainless Steel/ Copper/ PVC （one pipe type/model） |
| **I/O** | F3CL, RS485+4~20mA<br>F3RO, RS485+OCT Pulse<br>F3RO, RS485+Relay<br>F3RO, OCT Pulse+Relay |
| **Power Supply** | 10～36VDC/500mA |
| **Temperature** | Transmitter: 14 °F to 122 °F ( –10℃ ~ 50℃ )<br>Transducer: 32 °F to 140 °F ( 0℃ ~ 60℃ ) |
| **IP Rating** | IP54 |
| **Transducer Cable** | φ5 six core cable, standard length: 2m |

# F3R

## Clip-on Ultrasonic Flowmeter

### Introduction:

The F3R uses LoRa communication with the LoRaWAN protocol, offering low-cost, low-complexity, ultra-remote, and low-power communication. It employs ultrasonic transit time measurement with Gentos' patented flow algorithm for accurate fluid flow measurement. The all-in-one, clip-on design ensures easy installation in four steps, without contacting the fluid media or needing to shut down the flow.


| | |
|---|---|
| **Flow Velocity** | 0.1ft/s~16ft/s (0.03~5.0m/s) |
| **Pipe Size** | DN20， DN25, DN32, DN40, DN50, DN65, DN80 |
| **Accuracy** | ±2%, (1.0~16ft/s） |
| **Repeatability** | 0.20% |
| **Application** | Golf courses, grape vineyard, modern agricultural irrigation, garden irrigation<br>Residential water, washing industries, bathing industry, swimming pool, HVAC<br>Water inproduction process, industrial circulating water, reclaimed water, pure/ultra pure water<br>Inland aquaculture, RAS, etc. |
| **Pipe Material** | Carbon Steel/ Stainless Steel/ Copper/ PVC （ one pipe type/model ） |
| **I/O** | LoRa, RS485<br>FUJI or MODBUS Protocol |
| **Power Supply** | 10～36VDC/500mA |
| **Temperature** | Transmitter: -10℃~50℃ |
| | Transducer: 0℃~60℃ |
| **IP Rating** | IP54 |
| **Transducer Cable** | φ5 Six-core cable, standard length: 2m |

# F3E
## Clip-on Ultrasonic Flowmeter

### Introduction:

F3E adopts POE power supply and Ethernet communication to realize cloud data storage. Users can access cloud data anytime and anywhere through mobile terminals or PC terminals to manage, analyze and query measurement data information


POE power supply

LCD color display

| | |
|---|---|
| **Flow Velocity** | 0.1ft/s~16ft/s (0.03~5.0m/s) |
| **Pipe Size** | DN20，DN25, DN32, DN40, DN50, DN65, DN80 |
| **Accuracy** | ±2%,（1.0~16ft/s） |
| **Repeatability** | 0.20% |
| **Application** | Food and Beverage Processing<br>HVAC ( Heating, Ventilation, and Air Conditioning )<br>Water and Wastewater Management |
| **Pipe Material** | Carbon Steel/ Stainless Steel/ Copper/ PVC （ one pipe type/model ） |
| **I/O** | HTTP，MQTT Protocol, POE |
| **Power Supply** | POE network cable power supply |
| **Temperature** | Transmitter: 14 °F to 122 °F ( –10℃~ 50℃ )<br>Transducer: 32 °F to 140 °F ( 0℃ ~ 60℃ ) |
| **IP Rating** | IP54 |
| **Transducer Cable** | POE waterproof tail line, standard length: 0.5m |

# F3P

## Panel Mount & Split Ultrasonic Flowmeter

### Introduction:

The F3P Embedded ultrasonic flowmeter is designed with separate external clamping structure, simple and convenient to install. F3P adopts POE power supply and Ethernet communication to realize cloud data storage. Panel mount ultrasonic flowmeters are typically available in various sizes and configurations to accommodate different pipe sizes and flow rates.


| | |
|---|---|
| **Flow Velocity** | 0.1ft/s~16ft/s (0.03~5.0m/s) |
| **Pipe Size** | DN20, DN25, DN32, DN40, DN50, DN65, DN80 |
| **Accuracy** | ±2%, (1.0~16ft/s ) |
| **Repeatability** | 0.20% |
| **Application** | HVAC ( Heating, Ventilation, and Air Conditioning )<br>Water and Wastewater Management<br>Pharmaceuticals and Biotechnology<br>Pulp and Paper Manufacturing<br>Agriculture and Aquaculture |
| **Pipe Material** | Carbon Steel/ Stainless Steel/ Copper/ PVC ( one pipe type/model ) |
| **I/O** | Support HTTP Protocol and MQTT Protocol |
| **Power Supply** | POE network cable power supply |
| **Temperature** | Transmitter: 14 °F to 122 °F ( –10℃ ~ 50℃ )<br>Transducer: 32 °F to 140 °F ( 0℃ ~ 60℃ ) |
| **IP Rating** | IP54 |
| **Transducer Cable** | POE network cable, standard length: 2m |

# F3W
## Clip-on Ultrasonic Flowmeter

### Introduction:

The F3W Clip-on ultrasonic flowmeter adopts WIFI communication to realize cloud data storage. Users can access cloud data any-time and anywhere through mobile terminals or PC terminals to manage, analyze and query measurement data information.


| | |
|---|---|
| **Flow Velocity** | 0.1ft/s~16ft/s (0.03~5.0m/s) |
| **Pipe Size** | DN20，DN25, DN32, DN40, DN50, DN65, DN80 |
| **Accuracy** | ±2%, (1.0~16ft/s) |
| **Repeatability** | 0.20% |
| **Application** | Food and Beverage Processing<br>HVAC ( Heating, Ventilation, and Air Conditioning )<br>Water and Wastewater Management |
| **Pipe Material** | Carbon Steel/ Stainless Steel/ Copper/ PVC （one pipe type/model ) |
| **I/O** | RS485（Standard)<br>FUJI or MODBUS Protocol |
| **WiFi** | Frequency range：2.412~2.484GHz<br>Transmitted power：802.11b 16±2 dBm ; 802.11n 13±2 dBm ; 802.11g 14±2 dBm<br>Temperature：-20~85℃<br>Theoretically, the transmission distance can be up to 40 meters in an open space environment |
| **Power Supply** | 10～36VDC/500mA |
| **Temperature** | Transmitter: 14 °F to 122 °F ( –10℃ ~ 50℃ )<br>Transducer: 32 °F to 140 °F ( 0℃ ~ 60℃ ) |
| **IP Rating** | IP54 |
| **Transducer Cable** | φ5 Six-core cable, standard length: 2m |

# F2
## Clip-on Ultrasonic Flow Sensor

### Introduction:

The F2 uses ultrasonic transit time measurement with Gentos' patented flow algorithm for accurate fluid flow measurement. Its all-in-one, clip-on design allows for simple, four-step installation without contacting the fluid or shutting down the flow. This product is ideal for measuring pure, softened, and recycled water, making it perfect for embedded use in water treatment applications.


| | |
|---|---|
| **Flow Velocity** | 0.1～5.0m/s |
| **Pipe Size** | DN20，DN25, DN32, DN40, DN50, DN65, DN80 |
| **Accuracy** | ±2% of measured value FS,（0.5~5m/s） |
| **Application** | Water treatment and distribution, pharmaceutical, inlandaquaculture, heating and cooling circuits, swimming pools and irrigation systems, fire fighting installations,automotive industry and energy plants. |
| **Pipe Material** | Carbon steel/ stainless steel/ copper/ PVC （ one pipe type/model ） |
| **I/O** | RS485, support FUJI protocol and MODBUS protocol, 4-20mA |
| **Power Supply** | 10～36VDC/500mA |
| **Temperature** | Transmitter installation environment temperature：-10℃～50℃ |
| | Medium temperature measured by transducer： 0℃～60℃ |
| **IP Rating** | IP54 |
| **Transducer Cable** | φ5 Six-core cable, standard length: 2m |

# VF600 Flow Control Valve

## Introduction:

With the promotion of carbon neutrality, environmental protection, and low carbon strategies, awareness of energy saving is increasing. Given the relative shortage of water resources, saving water and improving its utilization has become urgent. The VF600 Flow Control Valve, an intelligent device, addresses this by controlling flow in three modes: constant flow, timer batch control, and intelligent valve adjustment, thus enhancing water resource utilization.


3 modes of flow constant current, timer, batch controller

Optional WiFi wireless communication mode

APP remot operationse

Protection level: IP54

| | |
|---|---|
| **Flow Velocity** | 0~3m/s |
| **Pipe Size** | Internal diameter 12mm |
| **Application** | Municipal garden irrigation, building water management, household water management, collective dormitory, water management, water production equipment process monitoring and control, aquaculture, farm irrigation, automatic car washing etc. |
| **I/O** | Type-C, WIFI |
| **Power Supply** | External 5V, 2A power adapter for power supply or charging<br>Built-in 3.7V lithium battery |
| **Temperature** | Transmitter installation environment temperature: 5~55℃ |
| | Medium temperature measured by transducer: 0℃~60℃ |
| **IP Rating** | IP54 |
| **Transducer Cable** | Type-C cable, standard length:1m |

# MP Series Flow Sensor

## Introduction:

The MP Series flow sensor, using Gentos' patented technology, simplifies operation while ensuring quality and improving customer satisfaction. Designed with an integrated clamp-on structure, it quickly installs by clamping onto the pipe and locking with a nylon cable tie, overcoming traditional installation hassles. Featuring WiFi communication, it enables Cloud Data storage, allowing users to access and manage data anytime via mobile or PC.

| | |
|---|---|
| **Flow Velocity** | 0.03~5.0 m/s |
| **Pipe Size** | DN20 ~ DN32 |
| **Application** | Municipal garden irrigation, building water management, residential water management, collective dormitory water management, monitoring and control of water production equipment, aquaculture, farm irrigation, automatic car washing etc. |
| **Pipe Material** | Carbon steel/ Stainless Steel/ Copper/ PVC ( one pipe type for DN20~DN32 ) |
| **I/O** | Type-C, WIFI |
| **Power Supply** | Externally Connected with 5V, 1A power adapter<br>Built-in 3.7V lithium battery ( optional ) |
| **Temperature** | Transmitter installation ambient temperature: Class A, 5~55℃ |
| | The temperature of the medium measured by the sensor: 0℃~60℃ |
| **IP Rating** | IP54 |
| **Transducer Cable** | Type-C cable，length 1m |

# MP LoRaWAN Series Flow Sensor

LoRaWAN communication

## Introduction:

MP LoRaWAN series flow sensors adopt LoRa wireless communication technology and support LoRaWAN protocol. They have the advantages of low power consumption, long distance, and strong penetration. It uses the transit time method, combined with Gentos' ultrasonic flow algorithm, to accurately measure fluid flow in pipelines. With the integrated clip-on design, users only need to clamp the sensor on the pipe, secure it with a nylon tie, and the installation is complete. This streamlined approach eliminates complex installation procedures and minimizes on-site difficulties and constraints.

| | |
|---|---|
| **Flow Velocity** | 0.03~5.0 m/s |
| **Pipe Size** | DN20 ~ DN32 |
| **Application** | Municipal garden irrigation, building water management, residential water management, collective dormitory water management, monitoring and control of water production equipment, aquaculture, farm irrigation, automatic car washing etc. |
| **Pipe Material** | Carbon steel/ Stainless Steel/ Copper/ PVC (According to the user's model selection, the model has been determined at the time of delivery.) ( one pipe type for DN20~DN32 ) |
| **I/O** | Input: Type-C (Power Supply, Charge, Serial Communication)<br>Output: Type-C (Serial Communication)<br>LoRa (LoRaWAN) is available |
| **Power Supply** | Built-in two 3.7V (760mAH) batteries, fully charged for 6~9 hours<br>Externally Connected with 5V/2A power adapter for power or charge |
| **Temperature** | Transmitter: Class A, 5~55℃ |
| | Transducer: 0℃~60℃ |
| **IP Pating** | IP54 |
| **Transducer Cable** | Type-C，cable length 1m |

# VC200-W/VC201-W IoT Valve Actuator

## Introduction:

With the advancement of microelectronics and computer technology, Gentos took the lead in launching the cloud-controlled IoT valve actuator VC200-W/VC201-W, changing the intelligence of electric valves. With WIFI communication function, users can easily control the valve through the mobile APP, which greatly improves water system management. This innovative product provides technical support for the intelligence of electric valves, improving convenience and efficiency.


Timing Control

Flow Control

Remote Control

IP Rating: IP65

| | |
|---|---|
| **Pipe Size** | Copper：DN15, DN20, DN25, DN32<br>Stainless Steel：DN15, DN20, DN25 |
| **Application** | Municipal garden irrigation, building water management, household water management, collective dormitory water management, aquaculture, farming irrigation etc. |
| **Applicable Medium** | Water |
| **Maximum Power** | 3W |
| **Outpu** | WiFi |
| **MeterTube APP** | Available |
| **Operating Pressure** | ⩽1.0MPa |
| **Controller Operation** | Remote control via Meter Tube mobile App |
| **Medium Temperature** | ⩽100°C |
| **Power Supply** | DC5V |

# VC200-R/VC201-R IoT Valve Actuator

## Introduction:

With the advancement of microelectronics and computing, Gentos introduced the innovative cloud-controlled IoT valve actuator, VC200-R/VC201-R, enabling electric valve intelligence. This product utilizes LoRa wireless technology, supporting LoRaWAN for long-distance transmission and strong penetration. Leveraging cloud servers, users can remotely control the actuator via PCs, significantly enhancing water system management.


LoRaWAN communication

Timing Control

Flow Control

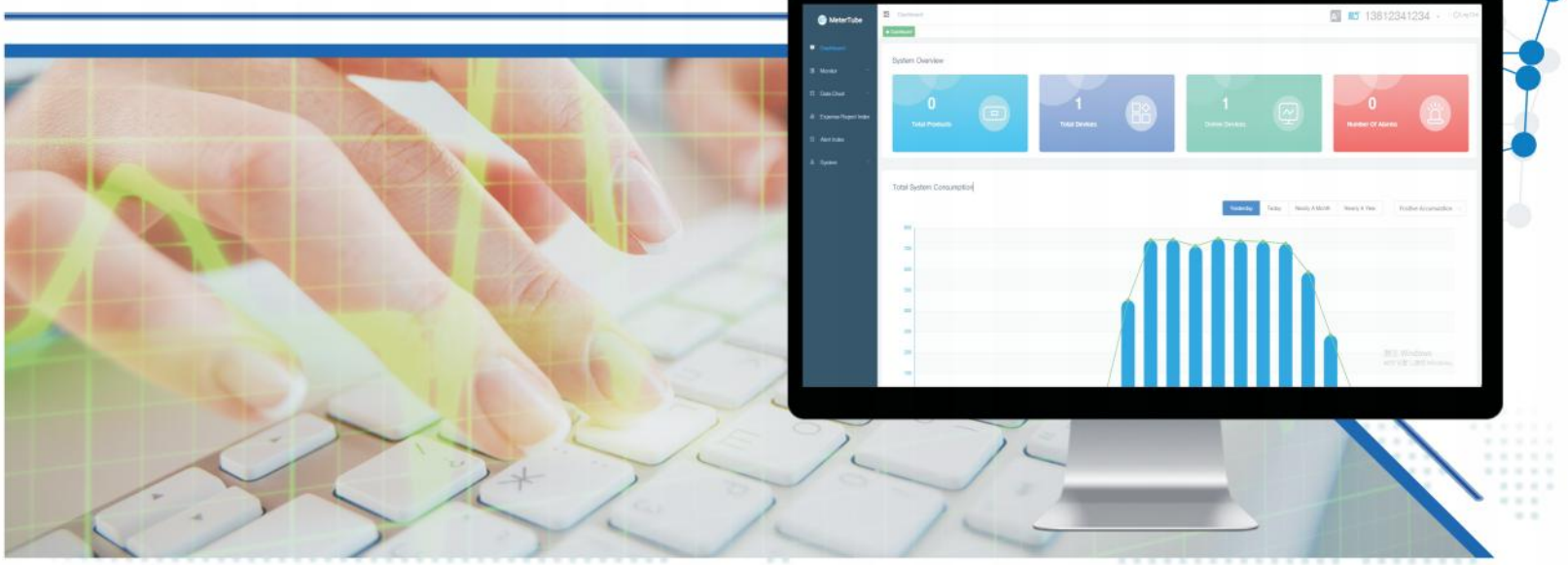
Remote Control

IP Rating: IP65

| | |
|---|---|
| **Pipe Size** | Copper：DN15, DN20, DN25, DN32<br>Stainless Steel：DN15, DN20, DN25 |
| **Application** | Municipal garden irrigation, building water management, household water management, collective dormitory water management, aquaculture, farming irrigation etc. |
| **Applicable Medium** | Water |
| **Maximum Power** | 3W |
| **LoRa Communication** | Support LoRaWAN communication protocol |
| | Maximum transmit power：22dBm |
| | Temperature：-40℃~85℃ |
| **MeterTube APP** | Available |
| **Controller Operation** | Remote control via Meter Tube mobile App |
| **Medium Temperature** | ≤100°C |
| **Power Supply** | DC5V |

# MeterTube Platform

## A cloud platform for water and thermal energy monitoring and billing



# MeterTube Platform Introduction

Model name: MeterTube

Note: Currently, only the latest versions of POE and WiFi flow meters, thermal energy meters, and MP flow sensor are available.

Gentos' *MeterTube* Platform detects unreasonable energy consumption issues in building energy consumption through energy consumption data such as water, electricity, and cooling capacity, optimizes existing equipment, and achieves real-time monitoring, automatic collection, data analysis and management, data reporting, and bill export of flow, flow rate, temperature, and cooling capacity data.

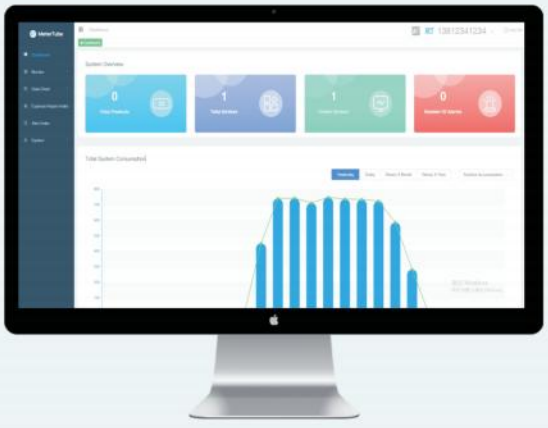
*MeterTube* mainly consists of monitoring and billing systems, central control management software, mobile applications, and PC applications. It can measure and storage the basic data, and can directly connect to the Gentos' Cloud server through Wi-Fi or POE functions.

Users will have their own accounts to access *MeterTube* through the phone APP or PC Web platform to obtain the statistical data of the meters, such as dynamic flow rate, billing, historical records, and alarms.

This system can be widely used in central vacant spaces such as office buildings, public buildings (hospitals, schools, libraries, etc.), commercial complexes, hotels, etc.

http://8.218.16.210/#/login

- Dashboard
- Monitor
- Data Chart
- Expense Report Index
- Alert Index
- System



ID:13812341234
Password:12345678

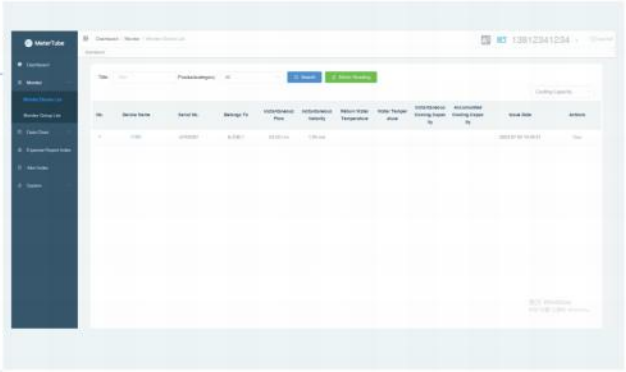
Scan the QR code and experience *MeterTube*!

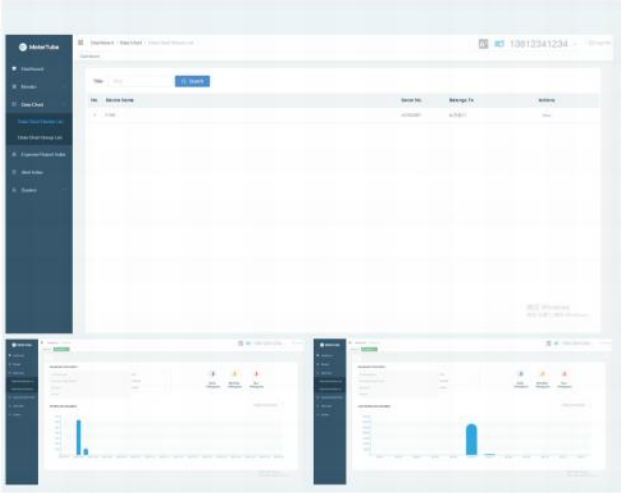
http://8.218.16.210/#/login

# System Function Introduction

## Monitor Device List

View the user's real-time data of all devices, click "Meter Reading" to manually update the data.



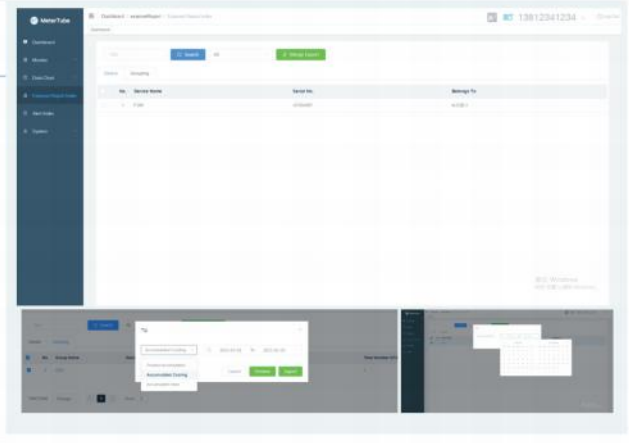


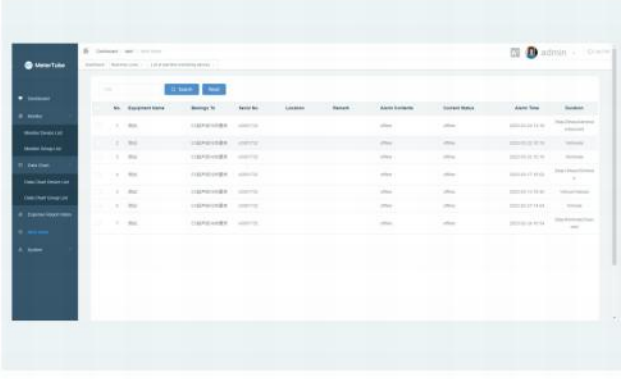
## Data Chart Device List

View the daily, monthly, and annual usage and expense histograms of the user equipment and each group.

## Expense Report index

Users can export the cost of water usage, heating and cooling. Devices or groups can be selected for export and preview.

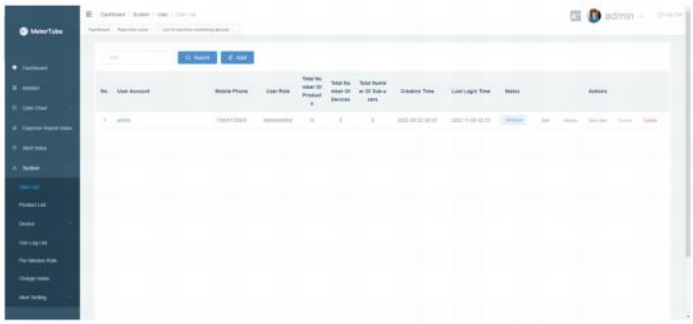


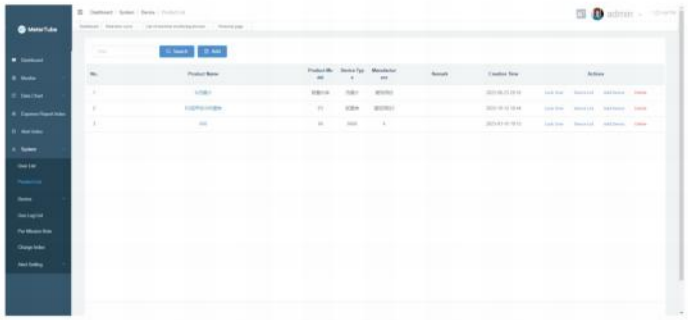


## Alert Index

Real-time monitoring of equipment online status, and alarm for equipment disconnection.Trigger the alarm through the alarm rules.

# System Management





## User List

Ordinary user accounts can create sub-users, divide device data into sub-accounts for viewing; The administrator account can manage all ordinary users and creation of ordinary users; The administrator account is only managed by Gentos.

## Product List

Users can add devices, manage devices, sort devices, etc; Device adding process: click “Add” to type the device information, select the corresponding product, device added completed; To view the device upload data format file, click “Information Tracking”.

## Device

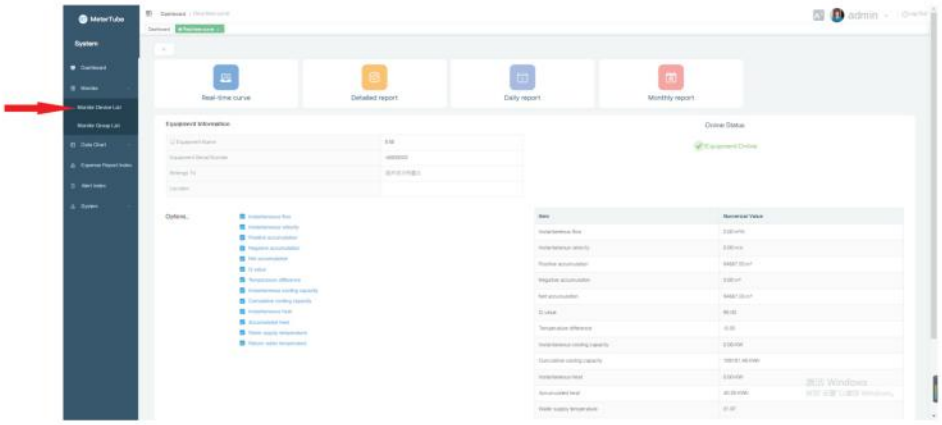
The system comes with two product models (Gentos’ flow meter and thermal energy meter), product models can be added, data can be displayed on the system only when new devices are connected to the system.

## Per Mission Role

Various roles can be assigned and managed by an administrator account, different roles are based on the functions selected when creating, it can only see the select function; When an administrator account creates a user, select the corresponding role permission to complete the creation.

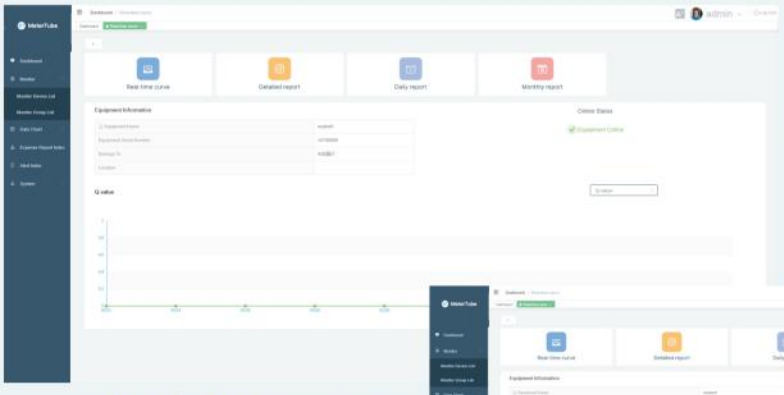
http://8.218.16.210/#/login

# Interface Introduction

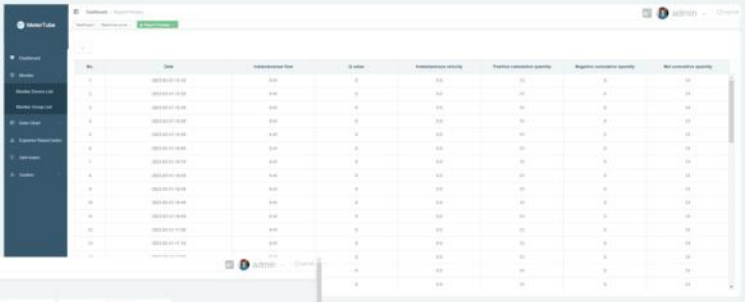


## Monitor Device List

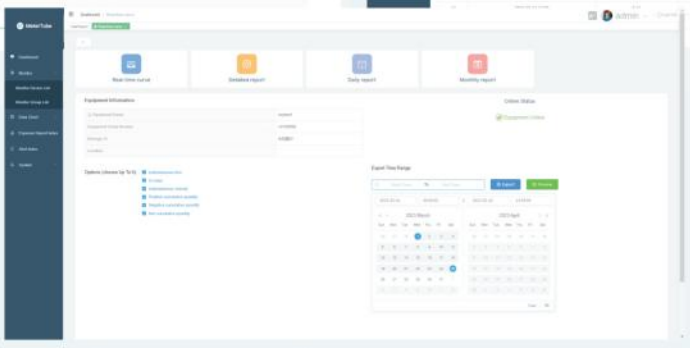
Click "View" on the real-time monitoring page to enter the device details, to view equipment information, more measurement data, equipment status, real-time curve and historical data.



## Real-time curve



## Report preview

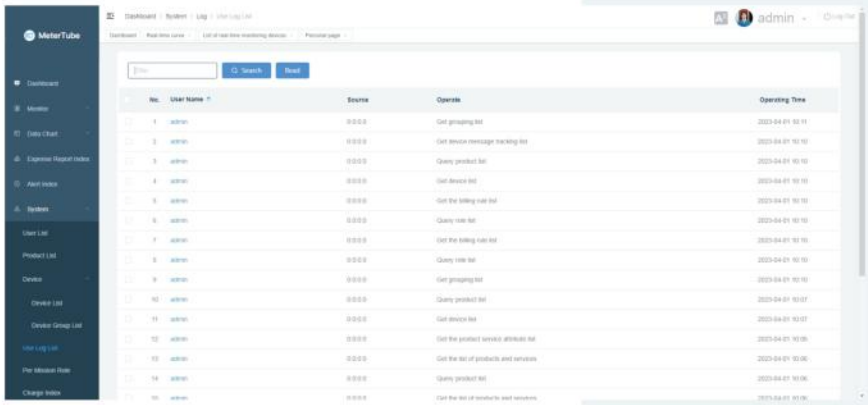


## Report preview or export

http://8.218.16.210/#/login

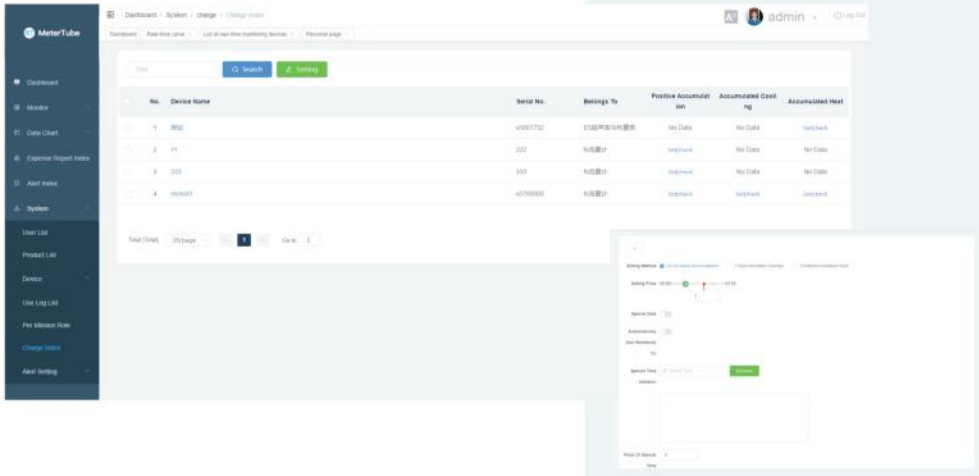
## Use Log List

It can view the user's operation record in the system.



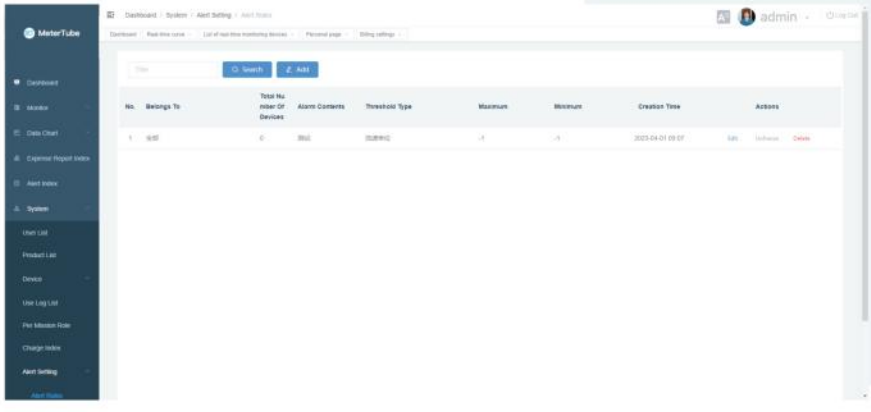

## Charge Index

Users can set their own billing rules for water consumption, cooling consumption and heat consumption.




## Alert Setting

Users can set rules for the device, such as exceeding the maximum flow value, exceeding the minimum flow value, exceeding the minimum Q value, etc. The measurement parameters are monitored and alarm rules are set.



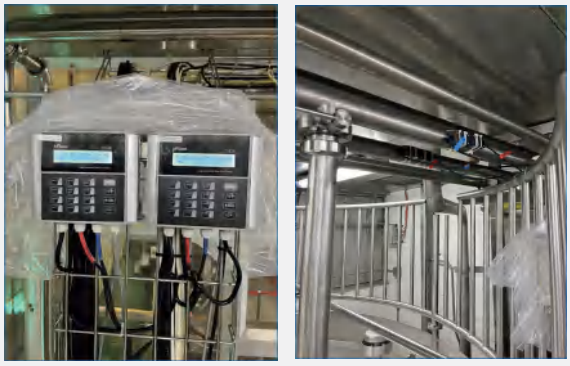
# Applications

**Model: D116**
**Installation: Clamp-on Method**

Application: Flow monitoring
for residential water supply

**Model: D116**
**Installation: Clamp-on Method**

Application: Pure water flow
monitoring for beverage production



**Model: D116**
**Installation: Clamp-on Method**

Application: Flow monitoring for
Water Supply Station Line

**Model: D118**
**Installation: Clamp-on Method**

Application: Flow monitoring for
treated water of power plant

## Model: D118

**Installation: Insertion Method**

Application: Flow monitoring for
Water Supply Station Line

## Model: P117

Application: Temporary flow monitoring for
air conditioning system chilled/cooling water

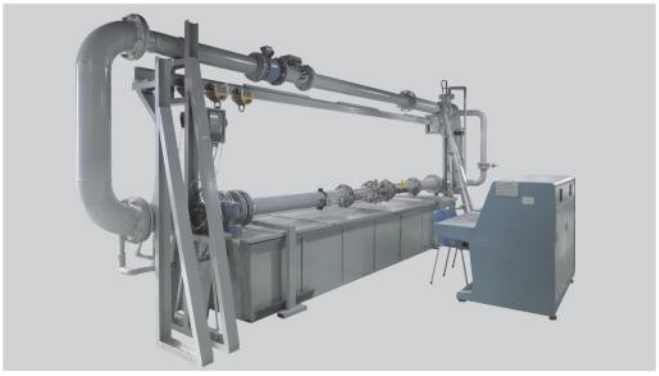
## F3 Series (F3E)

Application: Water flow metering
of air conditioning system - chilled water pipe

## F3 Series (F3R)

Application: Water flow metering
of Building Residential Water supply pipe

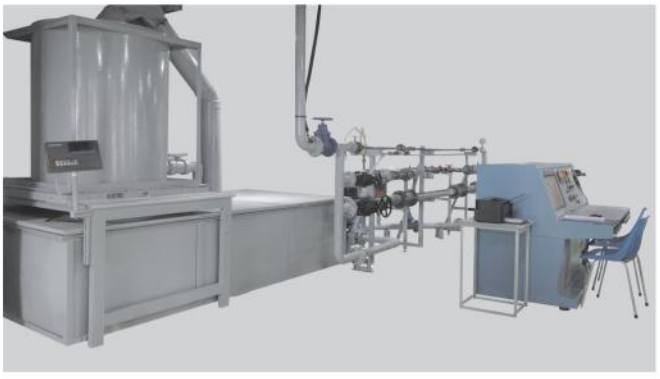
# CALIBRATION



Axial double-loop flow calibration device adopts Krohne high-precision ultrasonic flow meter as a master. System is evaluated and certificated by the National Bureau of Metrology every year.

Heat meter flow calibration system can be used to calibrate the thermal energy mtter(BUT meter, heat/cold meter)the measuring medium tempera--ture which can be maintained at 50 +/5°C.

DN100 axial flow calibration device is mainly used in volume production product calibration, 6 sets flowmeter can be calibrated at the same time.



Liquid Flow calibration device adopts weighing method to calibrate, suitable for flowmeter in DN8 ~ DN80.

## HIGH-TEMP AGING WORK

In 55 centigrade high temperature environment at least 72 hours to make the high-temp aging work.

Gentos Measurement & Control Co., Ltd.

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