

Application industry

Flow measurement is becoming increasingly critical in industrial production processes. FINETEK adopts advanced international technologies to manufacture high-quality flow measurement products.

A wide range of specifications is available to meet the requirements of various application environments, including papermaking, chemical processing, power generation, metallurgy, water supply and drainage, wastewater treatment, pharmaceuticals, food processing, and environmental protection industries.

EPD30/34 Electromagnetic Flowmeter

Wastewater and industrial effluent treatment, municipal drinking water purification, sewerage engineering, seawater desalination units, dyeing machinery, solar energy, PCB wet processes, food manufacturing, pharmaceutical machinery.



EPF Clamp-on Ultrasonic Flowmeter (Doppler)

Water treatment, food manufacturing, beverage manufacturing, chemical industry, pharmaceutical industry, semiconductor.



EPH Smart Multi Jet Water Meter

Designed for cold potable water metering in residential complexes, campus energy management, sub-metering applications, leak detection systems, dormitories, rental properties, and utility billing for commercial tenants and market stalls.



EPR Paddle wheel Flowmeter

Food manufacturing, beverage production, water treatment, pharmaceutical industry, textile dyeing and finishing, chemical industry, PCB wet process control, and semiconductor industry.



EPT Thermal Mass Flowmeter

Cooling systems: such as AI server liquid cooling system coolant pipes.
Vacuum systems: such as vacuum pump cooling pipes.
Air conditioning systems: such as large-scale air conditioning cold and hot water pipes.



EPU Clamp-on Ultrasonic Flowmeter (Transit Time)

Water treatment, food manufacturing, beverage production, chemical industry, pharmaceutical industry, and semiconductor industry.



EPU2 Integrated Clamp-on Ultrasonic Flowmeter (Transit Time)

Flow measurement for AI server cooling system piping, PCB wet process cleaning, etching and plating, and chemical piping.

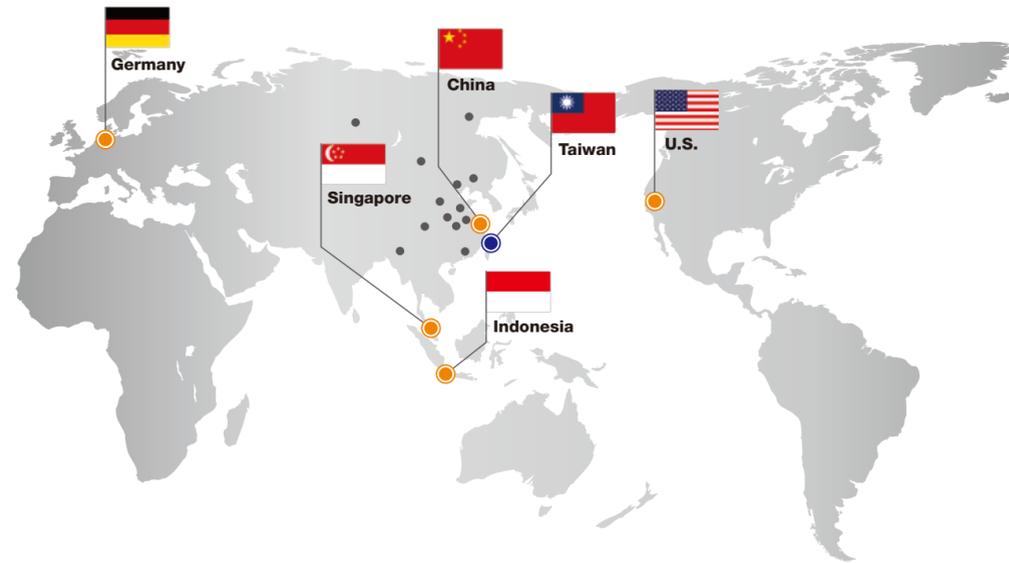


EPV Vortex Flowmeter

Boiler steam applications for various liquid and gas media in chemical production processes, as well as in textile, food, and feed industries.



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Distributor:

08-Flow01EP-022326

Comprehensive fluid flow monitoring

Professional-grade flow meter solutions



EPD30/34 Electromagnetic Flowmeter

Features

- Measurement unaffected by density, viscosity, temperature, pressure, or conductivity.
- No moving parts or obstructions; zero pressure loss and no clogging.
- Suitable for conductive liquids with fibers, solids, or suspended particles.
- 1:100 ratio with high low-flow accuracy and customizable range.
- Supports 4~20mA, 2~8KHz frequency, and RS485 communication.
- Integrated smart self-testing and multi-alarm system.
- IECEx and CSA explosion-proof certified.

Specifications

- Power Supply: 100~240 VAC or 24 VDC
- Media Temp.: -20~120°C (PTFE Lining)
- Measuring Range: 0.1 m/s to 10 m/s
- Accuracy: ±0.5% of reading
- Pressure Rating: 16 kg/cm²
- Analog Output: 4~20 mA
- Pulse Mode: NPN Transistor Output
- Junction Box Material: Aluminum Alloy
- Protection Class: IP67 / NEMA 4X
- Cable Entry: M20 x 1.5 * 2



EPF Clamp-on Ultrasonic Flowmeter (Doppler)

Features

- Non-intrusive measurement: Flow measurement can be performed without cutting or installing into the pipe, causing no impact on the existing pipeline.
- LCM display: Shows instantaneous flow rate and total accumulated flow.
- Output: 4~20 mA output, pulse output, and RS485 Modbus communication.
- Applications Suitable for wastewater with high air bubble content and liquids containing particulate impurities.
- Operating interface languages: Traditional Chinese, Simplified Chinese, and English.

Specifications

- Power Supply: 100~240 VAC / 18~32 VDC
- Pipe Size: DN15~DN500
- Analog Output: 4~20 mA
- Pulse Mode: NPN Transistor Output (32 VDC / 200 mA)
- Communication: RS-485 (Modbus)
- Analog Output: 4~20 mA
- Pulse Mode: NPN Transistor Output
- Junction Box Material: Aluminum Alloy
- Protection Class: IP67 / NEMA 4X
- Cable Entry: M20 x 1.5 * 2



EPU Clamp-on Ultrasonic Flowmeter(Transit Time)

Features

- Non-intrusive measurement: Measures flow without penetrating the original pipeline, causing no adverse impact on the existing pipe or process fluid.
- Standard outputs: 4~20 mA, pulse output, and RS485 Modbus communication.
- LCM display: Shows instantaneous flow and total accumulated volume.
- Durable industrial design: High reliability for process applications.
- Applications: Suitable for liquids without air bubbles and free of impurities.
- Bi-directional liquid volume measurement.

Specifications

- Power Supply: 100~240 VAC / 18~32 VDC
- Measurement technology: Transit-time method
- Measuring Range: Flow velocity: 0 to 15 m/s
- Pipe Sizes: DN32~DN200 / DN200~DN800
- Accuracy: ±0.2% F.S. (at 0.6~3 m/s)
±1% O.R. (at 3~15 m/s)
- Pulse Width: Auto (50% duty cycle)
- Repeatability: 0.5%
- Analog Output: 4~20 mA
- Communication: RS485 (Modbus)
- Cable Entry: M20 x 1.5
- Power Consumption: 10 VA
- Ambient Temperature: -20~60°C
- Protection Class: IP67



EPU2 Integrated Clamp-on Ultrasonic Flowmeter (Transit Time)

Features

- Easy operation: User-friendly interface; supports horizontal or vertical display, suitable for multi-angle installation.
- Excellent signal processing: Stable measurement even when the fluid contains air bubbles.
- Long-term data storage: Flow data saved for up to 10 years, useful for trend analysis and system performance optimization.
- Isolated outputs: Ensures stable signal transmission and strong anti-interference capability.
- Adaptive ultrasonic parameters: Automatically adjusts transmitter/receiver settings based on fluid characteristics and environment.
- Effortless installation: Can be quickly installed using only a cross screwdriver and hex wrench.
- Non-intrusive installation: No pipe cutting, no water shutdown, no contamination, enabling rapid setup.
- No coupling agent required: Ready to use upon installation, reducing maintenance and setup time.

Specifications

- Power Supply: 20~30 VDC
- Flow Velocity Range: 0.1~5 m/s
- Pipe Sizes: DN15, DN20, DN25, DN32, DN40
- Analog Output: 4~20 mA
- Digital Output: NPN Output (30 VDC / 50 mA)
- Communication: RS485 (Modbus)
- Response Time: 0.5s / 1.0s / 2.5s / 5s / 10s / 30s / 60s
- I/O Connector: M12 (6-pin)
- Housing Material: Aluminum Alloy
- Ambient Temperature: -20~50°C
- Protection Class: IP65



EPV Vortex Flowmeter

Features

- Simple structure: No moving mechanical parts; durable industrial design with high reliability.
- Versatile measurement: Can measure the volumetric flow of liquids, gases, and steam.
- High performance: Low pressure loss, wide flow measurement range, and high accuracy.

Specifications

- Power Supply: 10.5~36 VDC
- Measuring Range: Liquid: Max. 10 m/s
Gas/Steam: Max. 80 m/s
- Accuracy: Liquid: ±1%
Gas/Steam: ±1% (at velocity ≤ 35 m/s); ±1.5% (at 35~80 m/s)
- Pipe Sizes: DN25, DN40, DN50, DN65, DN80, DN100
- Fluid Temp. Range: -30 to 250°C
- Temperature Compensation: Built-in PT100 probe
- Operating Pressure: -0.1 MPa (-1 kg/cm²) up to Flange Rating
- Pressure Gauge Support: Power: 12 VDC / 50 mA
Signal: 0~5V / 0.5~4.5V / 1~5V
- Analog Output: 4~20 mA / 0~20 mA (Max. Load: 700 Ω)
- Pulse Specification: NPN Transistor Output (32 VDC / 200 mA)
- Pulse Modes: Pulse NO / Pulse NC / Frequency / Vortex Pulse
- Communication: RS485 (Modbus)
- Materials: Pipe: SUS 304 Stainless Steel
Junction Box: Aluminum Alloy
- Protection Class: IP67



EPT Thermal Mass Flowmeter

Features

- Single sensor: Measures both flow rate and temperature.
- Supports Modbus digital communication.
- Protection rating: IP68 / IP69K.
- Built-in surge protection.
- No moving mechanical parts: Eliminates wear and tear.
- Detect liquids containing impurities: no mechanical structures.
- Sensor probe length: Can be custom designed to fit the pipe diameter on site.

Specifications

- Power Supply: 12~32 VDC
- Media: Water
- Measuring Rang: 10~400 cm/s
- Medium Temperature: 0~125°C
- Operating Pressure: 100 bar
- Response Time: 2 to 5 seconds
- Analog Output 1: "4~20 mA (Flow Velocity, cm/s)"
- Analog Output 2: "4~20 mA (Temperature, °C) — Optional"
- Communication: RS-485 Modbus (Flow Velocity and Temperature)
- Electrical Connection: M12 x 1 (6-pin)
- Housing Material: SUS316L Stainless Steel



EPR Paddle wheel Flowmeter

Features

- Microprocessor-controlled for comprehensive functionality and intuitive operation.
- Built-in FRAM flash memory to store totalized flow data securely.
- Features a quick-release design between the display (transmitter) and the sensor.
- Adjustable upper limit settings for the analog output.
- Configurable filter settings for flow rate, flow velocity, and current output to ensure stability.
- Function menu allows easy adjustment of K-factor, pipe diameter, Device ID, and communication baud rate.
- Features an opto-isolated transistor for reliable pulse signaling.

Specifications

- Power Supply: 12~36 VDC, ±10%
- Flow Velocity Range: 0.3~10 m/s
- Accuracy: ±3% F.S. (at standard K-factor)
- Pipe Sizes: "DN20, DN25, DN40, DN50"
- Body Materials: "PVC, PP, SUS304, SUS316, SUS316L"
- Operating Temp.: -15~60°C (standard) / up to 100°C (optional)
- Operating Pressure: 10 bar
- Viscosity Range: 300 cSt (Max.)
- Analog Output: 4~20 mA
- Pulse Output: NPN / PNP (Over-current protection: 200 mA)
- Communication: RS485 (Modbus)
- Protection Class: IP66



EPH Smart Multi Jet Water Meter

Features

- Certified to CNPA 49 (3rd Edition) for water meter type approval, meeting Class C accuracy requirements.
- Features an intuitive electronic display with integrated smart alarm functions for efficient monitoring.
- Uses non-magnetic transmission technology, ensuring immunity to external magnetic field interference.
- Powered by a high-efficiency lithium battery with a service life of over 8 years.

Specifications

- Display Size: LCD 420 x 130 mm
- Applicable Pipe Sizes: DN15~DN50
- Power Supply: Built-in 3.6 VDC high-efficiency lithium battery
- Power Consumption: < 132 mW
- Working Pressure: 16 kg/cm²
- Ambient Temperature: -25°C~70°C
- Cable Interface: M12 Connector
- Requires compatible transmission interface device; supports RS-485, NB-IoT, and other signal outputs.
- Protection Class: IP68

