MODULAR TYPE ULTRASONIC FLOW METER

- Small Size
- Multiple Function
- Competitive Price

APPLICATIONS

Widely used in city water supply, waste water treatment, chemical industry, etc.

Chemical Industry

Process Water

Waste Water Treatment

Treated Water

HVAC System

Air Conditioning Water,
Cooling or heating
energy measuring

City Water Supply

Drinking Water

WORKING PRINCIPLE

- Modular type ultrasonic flow meter is inferential meter that uses ultrasonic transit-time technology to measure the velocity of an acoustically liquid moving through it.
- Transit-time measures the time differential between signals sent upstream and downstream. The differential is directly proportional to the velocity of the water. Transit-time meters are best used for measuring the flow of clean liquids, as a result, are the most popular type of ultrasonic meter.

PRODUCT FEATURES

WHY CHOOSE

MODULAR TYPE ULTRASONIC FLOW METER?

Same output
Same display
Same function

= Smaller Size

Save Installation Space

Save Freight Cost

One small box load contain 5 sets easily.

Easy Installation

Install into different instrument boxes via DIN rail.

Pipe Material And Diameter

Carbon steel pipe, Galvanized pipe, Stainless steel pipe, Copper pipe, Aluminum, Cement Pipe and Other Uniform Pipeline, Liner is Allowable.

DN 15mm

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DN 6000mm

Suitable For Inventory And Distribution

Ultrasonic flow meter could work on different pipes and diameters.
So it's convenient for distributor and customer to keep stock.

01

THE FIRST

Display And Performance

Display instantaneous flow rate and positive, negative, net total flow, etc.

- High accuracy ±1%.
- Combination buttons, easy to operate.
- 1M RAM, could stock 3000 lines measure data.
- Industrial grade ABS material. Resist corrosion and air-slake.

02

THE SECOND

Various outputs, multiple functions

03

THE THIRD

Measure Flow Rate And Energy

01

02

03 Different Installation Methods

Clamp type installation

Easy to install and maintain

Insert type installation

Long working life
Stable and reliable

Inline type installation

High accuracy measurement

04

THE FOURTH

Solar Power System For Ultrasonic Flow Meter (optional)

SIZE CHART

SPECIFICATIONS

Items	Specifications
Accuracy	±1% of reading at rates >0.2 mps
Repeatability	0.2%
Principle	Transmit time
Velocity	±32m/s
Pipe Size	DN15mm-DN6000mm
Display	LCD with backlight, display accumulated flow/heat, instantaneous flow/heat, velocity, time etc.
Signal Output	1 way 4-20mA output
	1 way OCT pulse output
	1 way relay output
Signal Input	3 way 4-20mA input achieve to heat measurement by connecting PT100 platinum resistor
Other Functions	Automatically record the positive,negative,net totalizer flow rate and heat. Automatically record the time of power-on/off and flow rate of the last 30 times.Replenish by hand or read the datas through Modbus communication protocol.
Pipe Material	Carbon Steel, stainless steel, cast iron, cement pipe, copper, PVC, aluminum, FRP etc. Liner is allowed
Straight Pipe Section	Upstram: 10D; Downsteam:5D; From the pump:30D (D means outer diameter)
Liquid Types	All kinds of clean and pure liquids.
Liquid Temperature	Standard: -30℃ ~ 90℃ ,High-temperature:-30℃ ~ 160℃
Liquid Turbidity	Less than 10000ppm, with a little bubble
Flow Direction	Bi-directional measuring, net flow/heat measuring
Environment Temperature	Main Unit: -30℃ ~ 80℃
	Transducer: -30℃ ~ 160℃, Temperature transducer: select on enquiry
Environment Humidity	Main Unit: 85% RH
	Transducer: standard is IP65, IP68(optional)
Cable	Twisted Pair Line, standard length of 5m, can be extended to 500m (not recommended); Contact the manufacturer for longer cable requirement. RS-485 interface, transmission distance up to 1000m
Power Supply	DC24V
Power Consumption	Less than 1.5W
Communication	MODBUS RTU RS485

Ultrasonic Flowmeter Selection

NO.1 Transducer Selection

Flow Sensor Model Choose

Type	Picture	Specification	Measuring range	Temperature range
Clamp on type		Small-size	DN15mm~DN100mm	-30℃~90℃
		Middle-size	DN50mm~DN700mm	-30℃~90℃
		Large-size	DN300mm~DN6000mm	-30℃~90℃
High temperature clamp on type		Small-size	DN15mm~DN100mm	-30℃~160℃
		Middle-size	DN50mm~DN700mm	-30℃~160℃
		Large-size	DN300mm~DN6000mm	-30℃~160℃
Insertion type		Standard	DN80mm~DN6000mm	-30℃~160℃
		Lengthened	DN80mm~DN6000mm	-30℃~160℃
Tube type		π Shape tube	DN15mm~DN32mm	-30℃~160℃
		Standard tube	DN40mm~DN1000mm	-30℃~160℃

Temperature Sensor Mode Choose

Type	Picture	Measuring range	Temperature range
Three wires PT1000 clamp type temperature sensor		≥DN50mm	-40℃~160℃
Three wires PT1000 insertion type temperature sensor		≥DN50mm	-40℃~160℃
Three wires PT1000 on-line installation insertion type temperature sensor		≥DN50mm	-40℃~160℃
Small size three wires PT1000 insertion type temperature sensor		DN15mm~DN50mm	-40℃~160℃

MORE PRODUCTS

PACKING AND DELIVERY

CERTIFICATION

CE

ISO

COMPANY INFORMATION

CHINA LEADING FLOW METER EXPORT BASE

WE ONLY PRODUCE HIGH QUALITY METER
With 15 years production experiences

Ultrasonic Flowmeter Selection

NO.1 Transducer Selection

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