

[The selection is detailed on page 13](#)

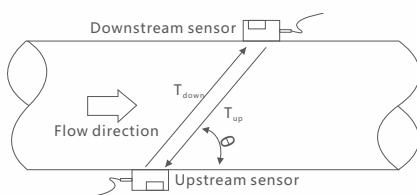


FU30

Ultrasonic Flowmeter

Working principle

Ultrasonic flowmeter is based on the principle of time difference method to measure. This requires two opposing ultrasonic transducers, which act as transmitters and receivers respectively. Sound waves are emitted from both transducers at the same time, speeding up sound waves downstream and slowing down sound waves upstream. The volume flow rate can be calculated by measuring the time difference between the two sound waves and the average flow rate. By using multi-channel ultrasonic measurement, the deviation of the fluid flow pattern can be compensated.



Product description

Three channels enable efficient measurement in a variety of flow modes, using innovative electronic movements and digital signal processors (DSPS) to enhance product performance. Depending on API2540 or customer specific requirements, pressure and temperature inputs can be selected to calculate standard volume flow or mass flow. Ultrasonic flowmeters can measure a variety of liquid media, whether aggressive or corrosive. The measurement channel can provide very high precision and highly repeatable measurements regardless of the viscosity of the medium, which is a huge breakthrough. Our equipment is found in a wide range of industrial applications. Whether measuring cooling and softening water in power plants, or liquid hydrocarbons in industry, you can have absolute confidence in the performance of Rodwig ultrasonic flowmeters in any situation.

Functional characteristics

High accuracy and repeatability, independent of the properties of the measuring medium, such as viscosity, temperature, density and conductivity. No moving parts, no protruding elements in the pipeline. No wear parts, no maintenance, so the subsequent operating costs are very low. Excellent long-term stability without re-calibration. High reliability due to multiple sets of redundant channels.

Product application

Petroleum/Petrochemical /Chemical Industry
Hot and cold water
Heating Ventilation and Air Conditioning (HVAC)
Power plant
semiconductor

Technical parameter

Plug-in ultrasonic flowmeter-FU30-A	
Signal converter	A1
Measurement accuracy	Mono 1.2%
	Two-channel 1.5%
	Three channel 1.0%
Process condition	liquid
	Maximum 2% gas content
exportation	Current, pulse/frequency/state
input	Switching value
	Current (temperature, pressure)
communication	HART, Modbus, Profibus, FF
Power supply	100...240V AC
Class of protection	24V AC/DC
▪ Monotype (C)	-
▪ Subtype (F)	IP67; NEMA6
▪ Wall Hanging Type (W)	-
Measuring sensor	A2
Process connection	
▪ EN 1092-1	caliberDN200...DN5000;
	Maximum PN16
Temperature range	
▪ Process temperature	-45...150°C
▪ Ambient temperature	-40...+65°C
Material	
▪ Sensor	Stainless steel
Class of protection	
▪ Measuring sensor	Standard IP67, optional IP68
Authentication	
▪ anti-explosion	ATEX

FU30-A: Plug-in ultrasonic flowmeter

Optional online plug welding ultrasonic flowmeter, no need to break the flow during installation, the transducer can be plugged online, no need to break the flow.

The FU30-A consists of sensors and transducers. Available in mono, dual and triple channels

Advantage

No additional pressure loss in open flow parts of pipeline section

The measurement accuracy is independent of the characteristics of the medium, such as conductivity, density, viscosity, temperature, etc

Easy to install, from inside or outside the pipe can be installed

maintenance-free

Very low energy consumption

Operating freight costs are extremely low

Converter characteristics

Large local LCD display with button operation

Digital signal processing system

Simple operation

Current, pulse, frequency and status output

Very low energy consumption

Can display instantaneous flow, cumulative flow, sound speed and other information

Technical parameter

Universal three-channel instrument/on-line liquid measurement-FU30-B	
Signal converter	B1
Measurement accuracy	±2.5% of the measured value
Process condition	liquid
exportation	Current, pulse, state
input	Switching value
	Current (for temperature and pressure input)
communication	HART, Modbus, Profibus, FF
Power supply	100...230V AC
	24V AC/DC
Class of protection	
▪ Monotype (C)	IP66/67; NEMA4X
▪ Subtype (F)	IP65; NEMA4X
Measuring sensor	B2
Process connection	
▪ EN 1092-1	caliberDN25...DN3000; PN10...100
Temperature range	
▪ Process temperature	-25...+20°C
▪ Ambient temperature (including converters)	-40...+65°C
Material	
▪ Measuring tube, flange	Carbon steel/stainless steel/Hastelloy/duplex steel
Class of protection	
▪ Measuring sensor	IP67, selectable IP68
Authentication	
▪ anti-explosion	ATEX

FU30-B: Universal ultrasonic flowmeter

Versatile, all-round liquid measurement for all industrial processes

Product description

The FU30-B flowmeter is a unique, three-channel, in-line ultrasonic flowmeter designed specifically for uniform conductive and non-conductive liquid measurement, ensuring high accuracy and repeatability over time. Rodewig is a leading supplier of in-line liquid ultrasonic flowmeters with robust construction and high measurement accuracy, thus having the largest installed base and a wide range of applications.

Product characteristics

Suitable for both conductive and non-conductive media

Accurate bidirectional flow measurement

Dedicated electronic movements and innovative digital signal

processing technology provide reliable and stable measurements

Can display instantaneous flow, cumulative flow, sound speed and other information

Advantage

Easy to install

FU30-BIt is a lightweight flowmeter that is easy to install and operate and does not require additional accessories such as filters, supports, etc.

Low operation and maintenance costs

The FU30-B has no protruding and moving parts, no pressure loss or wear, and is extremely energy efficient. Flow meters do not require regular maintenance, so they are installed in difficult to access locations.

High cost performance

The total cost of the FU30-B measurement installation is much lower than that of other principle flowmeters. In addition, a universal flow meter that can be used for any application minimizes your engineering and inventory costs.

Accurate/reliable

Each unit has passed strict actual flow calibration before leaving the factory, the calibration device has passed NMI international certification, and the maximum calibrating caliber can reach DN3000.

Technical parameter

Universal three-channel instrument/on-line liquid measurement-FU30-C	
Signal converter	C1
Measurement accuracy	Standard $\pm 0.5\%$
	Optional $\pm 0.3\%$
Process condition	Liquid, maximum viscosity 1000cSt
	Maximum 5% solid content
	Maximum 2% gas content
exportation	Current, pulse, state
input	Switching value
communication	HART, Modbus, Profibus, FF
Power supply	100...230V AC
	24V AC/DC
Class of protection	
▪ Monotype (C)	IP66/67; NEMA4X
▪ Subtype (F)	IP66/67; NEMA4X
Measuring sensor	C2
Process connection	
▪ EN 1092-1	caliberDN25...DN3000;
	PN10...100
▪ ASME B16.5	1...120"
	CL150...1500
Temperature range	
▪ Process temperature	-200...+250°C
▪ Ambient temperature	-40...+65°C
Material	
▪ Measuring tube, flange	Carbon steel/stainless steel/Hastelloy/duplex steel
Class of protection	
▪ Measuring sensor	Standard IP67, optional IP68
authentication	
▪ anti-explosion	ATEX

FU30-C: Universal ultrasonic flowmeter

Versatile, all-round liquid measurement for all industrial processes



Product description

The FU30-C flowmeter is a unique, three-channel, in-line ultrasonic flowmeter. Specially designed for uniform conductive and non-conductive liquid measurement, high accuracy and repeatability over long periods of time. Rodewig is a leading supplier of in-line liquid ultrasonic flowmeters with robust construction and high measurement accuracy, thus having the largest installed base and a wide range of applications

Product characteristics

Suitable for conductive and non-conductive, low and high viscosity and media from -200 °C to 250 °C

Accurate bidirectional flow measurement

Advanced signal converter with all input and output, HARTR7, FF bus, etc

Can display instantaneous flow, cumulative flow, sound speed and other information

Excellent diagnostic capabilities

The flowmeter provides comprehensive self-inspection, including internal circuitry, sensor fault information, and important information about process conditions. All NAMURNE107 compliant, these advanced diagnostic functions ensure long-term reliability and accuracy of the measurement process

Sound velocity measurement function

Each channel can measure the speed of sound, and this feature is standard at no additional cost. For example, this function can be used to provide information on contaminants in liquids or changes in process conditions.

Advantage

Superior signal converter with a full range of input/output and communication protocols

Follow the diagnostic capabilities of NAMURNE107

Improved user interface: optically sensitive keys and touch keys

All welded structure, no wear, no maintenance

Full diameter, sensor tube free flow parts, no pressure loss, no moving parts

Accurate bidirectional flow measurement

Continuous measurement of three channels and measurement from almost zero flow

Multi-purpose, all-round, suitable for single-phase liquids

Technical parameter

Rugged two-channel high temperature meter -FU30-S (for extreme process conditions)	
Signal converter	S1
Measurement accuracy	±0.5% of the measured value
Process condition	liquid
	Maximum 5% solid content
	Maximum 2% gas content
exportation	Current, pulse, state
input	Switching value
	Current (temperature, pressure)
communication	HART, Modbus, Profibus, FF
Power supply	100...240V AC
	24V AC/DC
Class of protection	
▪ Monotype (C)	-
▪ Subtype (F)	IP66/67; NEMA6
▪ Wall Hanging Type (W)	-
Measuring sensor	S2
Process connection	
▪ EN 1092-1	caliber DN25...DN1000;
	Max PN16
▪ ASME B16.5	DN25...DN300/150lbs...900lbs
	DN350...DN600/600lbs
Temperature range	
▪ Process temperature	-45...+600°C
▪ Ambient temperature	-40...+70°C
Material	
▪ Measuring pipe material, flange	Carbon steel/stainless steel/duplex steel
Class of protection	
▪ Measuring sensor	Standard IP67, optional IP68
Authentication	
▪ Anti-explosion	ATEX

FU30-S: Rugged two-channel ultrasonic flowmeter

Reliable solution for high temperature liquids

Product description

The FU30-S is a dual-channel ultrasonic flowmeter for measuring crude oil and a wide range of refined products, capable of operating under extreme conditions (high temperature/pressure). The FU30-S provides a unique solution for the accurate measurement of synthetic thermal oils at extreme temperatures (600°C) or rapid temperature changes.

The FU30-S has an industrially robust construction, and operation and maintenance costs can be minimized thanks to a reliable all-welded construction without any moving parts, so wear does not occur.

The FU30-S consists of a flow sensor and a signal converter. The signal converter is installed in a split type near the high temperature flow sensor.

Product characteristics

Accuracy, repeatability and long-term stability
Efficient waveguide beam technology
Flow measurement under harsh conditions

Advantage

It is mainly measured at high temperatures (up to 600°C)

Excellent long-term stability and high reliability

No moving or turbulent parts

Rugged construction, resistant to corrosion and abrasion media

Two sets of parallel channels, measurements independent of Reynolds number

Wide selection of materials, sizes and pressure levels



Technical parameter

Flexible external clamp meter -FU30-M (External clamp device for process industry)	
Signal converter	M1
Measurement accuracy	±1.0% of the measured value
Process condition	liquid
	Maximum 5% solid content
	Maximum 2% gas content
Exportation	Current, pulse, state
Input	Switching value
	Current (temperature, pressure)
Power supply	85...250V AC
	20.5...26V AC/DC
Class of protection	
▪ Monotype (C)	-
▪ Fractal type (F)	IP66/67; NEMA4, 4X, 6
▪ Wall hanging type (W)	IP65; NEMA4, 4X
Measuring sensor	M2
Process connection	
▪ EN 1092-1	caliber DN25...DN4000;
▪ ASME B16.5	1/2...160"
Temperature range	
▪ Process temperature	-45...+200°C (Higher than 200°C please consult)
▪ Ambient temperature	-40...+60°C
Material	
▪ Measuring pipe material, flange	Carbon steel/stainless steel/duplex steel
Class of protection	
▪ Measuring sensor	Standard IP67, optional IP68
authentication	
▪ anti-explosion	ATEX

FU30-M: External clamp type ultrasonic flowmeter



Product description

The FU30-M is a symbol of continuity and long-term reliability, enabling flow measurements anywhere and starting up very quickly. The new FU30-M external clamp flowmeter measures liquids. Its rugged industrial construction and re-lubrication concept provide revolutionary solutions for easy installation and use. The flowmeter can be installed on the outside of the pipe to measure the flow of liquid in the pipe.

In addition, the clamp-on flowmeter is composed of one or two FU30-M external clamp-on sensors combined with an ultrasonic signal converter. In addition, the overall function of the clamp-type flowmeter is to continuously measure the actual volume flow rate, mass flow rate, velocity, sonic speed, gain, signal-to-noise ratio and diagnostic value, etc., which can display instantaneous flow rate, cumulative flow rate, sound speed and other information.

Product application

Chemical addition
Through process control
Cooling water circuit
A wide variety of refined hydrocarbons
Potable water
Deionized water and demineralized water
Public health flow measurement
Purified water

Product characteristics

Minimum uncertainty
Optimal reliability
Minimal maintenance
Efficient re-lubrication concept
Easy sensor installation
Installation wizard
All-in-one system

Technical parameter

Battery powered portable/external clip-on meter -FU30-P	
Signal converter	P1
Measurement accuracy	±1.0% of the measured value
Process condition	liquid
	Maximum 5% solid content
	Maximum 2% gas content
Exportation	Current, pulse, state
Input	Two way 0{4}... 20mA current
Communication	USB interface
Power supply	Battery powered
Class of protection	
▪ Monotype (C)	-
▪ Subtype (F)	IP65; NEMA4
▪ Wall Hanging Type (W)	
Measuring sensor	P2
Process connection	
▪ EN 1092-1	caliberDN15...DN4000;
▪ ASME B16.5	1/2...160"
Temperature range	
▪ Process temperature	-45...+200°C (Higher than 200°C please consult)
▪ Ambient temperature (including converters)	-40...+60°C
Material	
▪ Measuring pipe material, flange	The sensor track is aluminum or stainless steel
Class of protection	
▪ Measuring sensor	IP67
authentication	
▪ anti-explosion	ATEX

FU30-P: Portable external clamp ultrasonic flowmeter



Product description

The new FU30-LSD flowmeter combines portable, simple, intuitive and fast liquid measurement with high-precision and reliable ultrasonic technology. Just attach the sensor to the pipe and connect the small converter to start reading. Storing measurement data is also very convenient. The data is stored on a USB memory card and can be transferred to an external evaluation device.

Its portability and flexibility make the FU30-P an ideal solution for flow measurement in any industrial sector and under a variety of application conditions.

Product application

- Fast and easy sensor
- Install a comprehensive user interface
- Easily transfer data to your computer
- 14 hours battery life
- Energy measurement function

Product characteristics

- Debugging of HVAC system
- Check on-line flowmeter
- Check pump performance
- Temporary replacement of a faulty flowmeter
- Solve general traffic related problems

Advantage

User-friendly interface with full color graphic display and full keyboard

Fast and easy transfer of recorded data to computer via USB interface

Sensor: Stable, fast installation, high performance can display instantaneous flow, cumulative flow, sound speed and other information

Technical parameter

Universal Two-Channel Instrument -FU30-T (On-line Process Gas Measurement)	
Signal converter	T1
Measurement accuracy	2...3"; ±1.5%
	4...24"; ±1%
Process condition	liquid
Exportation	Current, pulse, state
Input	Two way four... 20mA current
	Switching value
Communication	HART, Modbus, Profibus, FF
Power supply	85...250V AC; 11...31V DC
	20.5...26V AC/DC
Class of protection	
▪ Monotype (C)	IP66/67; NEMA4, 4X, 6
▪ Subtype (F)	IP66/67; NEMA4, 4X, 6
▪ Wall Hanging Type (W)	IP65; NEMA4, 4X
Measuring sensor	T2
Process connection	
▪ EN 1092-1	caliber DN50...DN4000;
	PN10...40
▪ ASME B16.5	2...24"
	CL150...900
Temperature range	
▪ Process temperature	-45...+180°C
▪ Ambient temperature (including converters)	-40...+65°C
Material	
▪ Measuring pipe material, flange	Stainless steel/carbon steel/Hastelloy/duplex steel
Class of protection	
▪ Measuring sensor	IP67
authentication	
▪ anti-explosion	ATEX

FU30-T: Gas ultrasonic flowmeter

Product description

The FU30-T is an ultrasonic measurement system focused on process and gas flow applications. Compared to conventional gas flow meters, the FU30-T does not have many limitations, such as periodic recalibration, routine maintenance, pressure loss and limited flow range.

FU30-T has the advantages of ultrasonic measurement, such as efficient, reliable and easy to use, can display instantaneous flow, cumulative flow, sound velocity and other information.

Product application

General process control
 Hydrocarbon gases in petrochemical plants
 Process gases from chemical plants
 Natural gas production
 Consumption and use of natural gas
 The use of fuel gases
 Air flow

Product characteristics

Wide flow range
 The measurement is independent of gas density and applies to a wide range of gas compositions
 maintenance-free
 No recalibration required
 Conversion to a standard state is integrated through pressure and temperature inputs
 Measuring tube has no moving parts, no pressure loss



Technical parameter

Two-channel meter -FU30-W (Superheated steam or high temperature gas measurement)	
Signal converter	W1
Measurement accuracy	4"; ±1.5%
	6...24"; ±1%
Process condition	Superheated steam and high-temperature gases
Exportation	Current, pulse, state
Input	Switching value
Communication	HART, Modbus, FF
Power supply	100...230V AC
	24V AC/DC
Class of protection	
▪ Monotype (C)	-
▪ Subtype (F)	IP65; NEMA4X/6
▪ Wall Hanging Type (W)	-
Measuring sensor	W2
Process connection	
▪ EN 1092-1	caliber DN100...DN600/Or no flange welding
	PN16...160
▪ ASME B16.5	2...24"Or no flange welding
	CL150...2500
Temperature range	
▪ Process temperature	-25...+620°C (Higher temperatures are available for special consultation)
▪ Ambient temperature (including converters)	-40...+65°C
Material	
▪ Measuring pipe material, flange	Carbon steel/high temperature steel special consultation
Class of protection	
▪ Measuring sensor	IP67
authentication	
▪ anti-explosion	ATEX

FU30-W: Steam ultrasonic flowmeter

Product description

The FU30-W is the optimal solution for measuring steam

The FU30-W measures accurately without pressure loss, has a very wide measurement range, and does not require re-calibration, providing excellent long-term stability. The standard self-diagnosis function allows for self-judgment identification without the need for the operator to pay attention to the meter at all times.

With the input of temperature and pressure values, the converter can calculate mass flow and calorific value in addition to volume flow without the need for an additional flow computer. Can display instantaneous flow, cumulative flow, sound speed and other information.

Product application

Power plant/chemical/petrochemical, etc

Use steam distribution

The handover of steam trade

Product characteristics

Excellent long-term stability

No recalibration required

maintenance-free

The self-diagnostic function ensures correct operation and provides support for verification

According to the requirements of IAPWS-IF97, the calculation function of mass flow and calorific value is integrated, with pressure and temperature value input

Technical parameter

Cost-effective three-channel meter -FU30-V (for trade transfer measurement of light hydrocarbons)	
Signal converter	V1
Measurement accuracy	±0.2% of the measured value (When 2000 < RE Reynolds number < 50000)
	±0.15% of the measured value (When RE Reynolds number > 50000)
Process condition	Single medium
Exportation	Current, pulse, state
Input	-
Communication	-
Power supply	100...240V AC
	24V AC/DC
Class of protection	
▪ Monotype (C)	IP67; NEMA6
▪ Subtype (F)	-
▪ Wall Hanging Type (W)	-
Measuring sensor	V2
Process connection	
▪ EN 1092-1	-
▪ ASME B16.5	2...40"
	CL150...2500
Temperature range	
▪ Process temperature	-200...+250°C
▪ Ambient temperature (including converters)	-40...+70°C
Material	
▪ Measuring pipe material, flange	Stainless steel
Class of protection	
▪ Measuring sensor	IP67
authentication	
▪ anti-explosion	ATEX

FU30-V: Cost-effective three-channel ultrasonic flowmeter

Product description

The FU30-V has decisive advantages that traditional mechanical flowmeters cannot match in trade handover applications. Because the pipes are barrier-free and have no moving parts, there is no wear and pressure loss.

The advantages offered by the product are maintenance-free operation and simplified meter operation configuration (smaller pump flow, no filter required). Therefore, both in investment costs (CAPEX) and operating costs (OPEX), considerable savings are achieved.

Product application

Oil and gas
refinery
Petrochemical industry

Product characteristics

Replace conventional rotor or differential pressure flowmeter, cost-effective
Large dynamic range
Light weight, compact installation structure
Bidirectional flow measurement
Easy integration with proven (existing) flow meters
Integrated troubleshooting capabilities

Advantage

Excellent long-term stability and high reliability
maintenance-free
No insertion, no moving parts, no pressure loss and wear
OIML R-117 and API compliant

Technical parameter

Rugged two-channel high temperature meter -FU30-X (for extreme process conditions)	
Signal converter	X1
Measurement accuracy	±0.5% of the measured value
Process condition	liquid
	Maximum 5% solid content
	Maximum 1% gas content
Exportation	Current, pulse, state
Input	Switching value
	Current (temperature, pressure)
Communication	HART
Power supply	100...240V AC
	24V AC/DC
Class of protection	
▪ Monotype (C)	IP67; NEMA6
▪ Subtype (F)	IP65; NEMA4, 4x
	IP66/67; NEMA4, 6
▪ Wall Hanging Type (W)	-
Measuring sensor	X2
Process connection	
▪ EN 1092-1	DN25...DN1000
▪ ASME B16.5	1...12"
	CL150
Temperature range	
▪ Process temperature	-25...+500°C
▪ Ambient temperature (including converters)	-40...+65°C
Material	
▪ Measuring pipe material, flange	Stainless steel, carbon steel, duplex steel
Class of protection	
▪ Measuring sensor	IP65
	IP66/67
Authentication	
▪ Anti-explosion	ATEX

FU30-X: Rugged two-channel ultrasonic flowmeter

Product description

The FU30-X is a dual channel ultrasonic flowmeter for measuring crude oil and a variety of refined products. It is capable of accurately measuring synthetic heat transfer oils at extreme temperatures (500 °C) or rapid temperature changes under extreme conditions (high temperature/high pressure). It also offers a unique solution.

The FU30-X has an industrially robust construction, and operation and maintenance costs can be minimized thanks to a reliable all-welded construction without any moving parts, so wear does not occur.

The FU30-X consists of a flow sensor and a signal converter. The signal converter is installed in a split type near the high temperature flow sensor.

Product application

Oil and gas
Refinery
Petrochemical industry

Product characteristics

It is mainly measured at high temperatures (up to 500°C)

Excellent long-term stability and high reliability

No moving or turbulent parts

Rugged construction, resistant to corrosion and abrasion media

Two sets of parallel channels, measurements independent of Reynolds number

Wide selection of materials, sizes and pressure levels

Advantage

Accuracy, repeatability and long-term stability

Efficient waveguide beam technology

Flow measurement under harsh conditions

Can display instantaneous flow, cumulative flow, sound speed and other information



Technical parameter

Open channel/welded ultrasonic flowmeter-FU30-O	
Signal converter	O1
Measurement accuracy	A: $\pm 5\%$ of the measured value
	B: Mono $\pm 1\%$; Two-channel $\pm 0.7\%$; Three-channel $\pm 0.5\%$
Process condition	liquid
	Max. 0.2% gas content
Exportation	Current, pulse, state
Input	Switching value
	Current (temperature, pressure)
Communication	HART, Modbus, Profibus, FF
Power supply	100...240V AC
	24V AC/DC
Class of protection	
▪ Monotype (C)	-
▪ Subtype (F)	IP67; NEMA6
▪ Wall Hanging Type (W)	-
Measuring sensor	O2
Process connection	
▪ EN 1092-1	DN400...DN8000, Max 10bar
▪ ASME B16.5	DN100...DN5000, Max 40bar
	4...200"
Temperature range	
▪ Process temperature	-25...+500°C
▪ Ambient temperature (including converters)	-25...+60°C
Material	
▪ Measuring pipe material, flange	Stainless steel
Class of protection	
▪ Measuring sensor	IP65/IP67/IP68 Selectable
authentication	
▪ anti-explosion	ATEX

FU30-O-Open channel/welded ultrasonic flowmeter

Product description

A: Open channel ultrasonic flowmeter

B: Welded ultrasonic flowmeter

C: welded ultrasonic flowmeter, no need to break the flow during installation, the converter can be plugged and removed online, no need to break the flow.

Product application

Oil and gas

refinery

Petrochemical industry

Product characteristics

Large local LCD display with button operation

Digital signal processing system

Easy to operate

Current, pulse, frequency and status output

Very low energy consumption

Can display instantaneous flow, cumulative flow, sound speed and other information

Advantage

Pipe section open flow components

No additional pressure loss

The measurement accuracy is independent of the characteristics of the medium, such as conductivity, density, viscosity, temperature, etc

Easy to install from the inside or outside of the pipe/open channel

Maintenance-free

Very low energy consumption

Operating freight costs are extremely low



FU30-Selection composition

Selection example **FU30**

1 0-60t/h 2 A 3 G 4 Q 5 A 6 D 7 H 8 N 9 S 10 G 11 P

1.Range range	R()	Please note the range	
2.Measurement principle	A	Ultrasonic wave	
	B	Static pressure type	
3.Instrument type	G	Tubular type	
	H	Handheld	
	I	Outside clamp	
	J	Plug-in	
	K	Split clamping type	
4.Measuring aperture	N	DN25	
	O	DN32	
	P	DN40	
	Q	DN50	
	R	DN65	
	S	DN80	
	Z	DN100	
	U	DN125	
	V	DN150	
	W	DN200	
	X	DN250	
	Y	DN300	
	T()	Other connection specifications	
5.Weir trough	A	The Basher trough	
	B	Weir trough	
	C	Self-made weir trough	
6.Material	D	Stainless steel	
	E	PVC	
	F	Polypropylene	
	T()	Other materials	
7.Working power supply	G	220V AC 50Hz(90-245VAC 50Hz)	
	H	24V DC (20-36V DC)	
	I	Battery powered 3.6V	
8.Output signal	N	4-20mA	
	O	4-20mA+HART	
	P	Frequency 1KHz	
	Q	Serial Communication (485)	
	R	4-20mA+ switching output	
	X	4-20mA+FF bus	
	Y	4-20mA+PF bus	
9.Applicable channel mm Water level range (mm) > Width × height h(min)/h(max)	S	> 200×250 15/210	
	U	> 250×300 15/240	
	V	> 300×600 30/330	
	W	> 450×800 30/450	

FU30-Selection composition

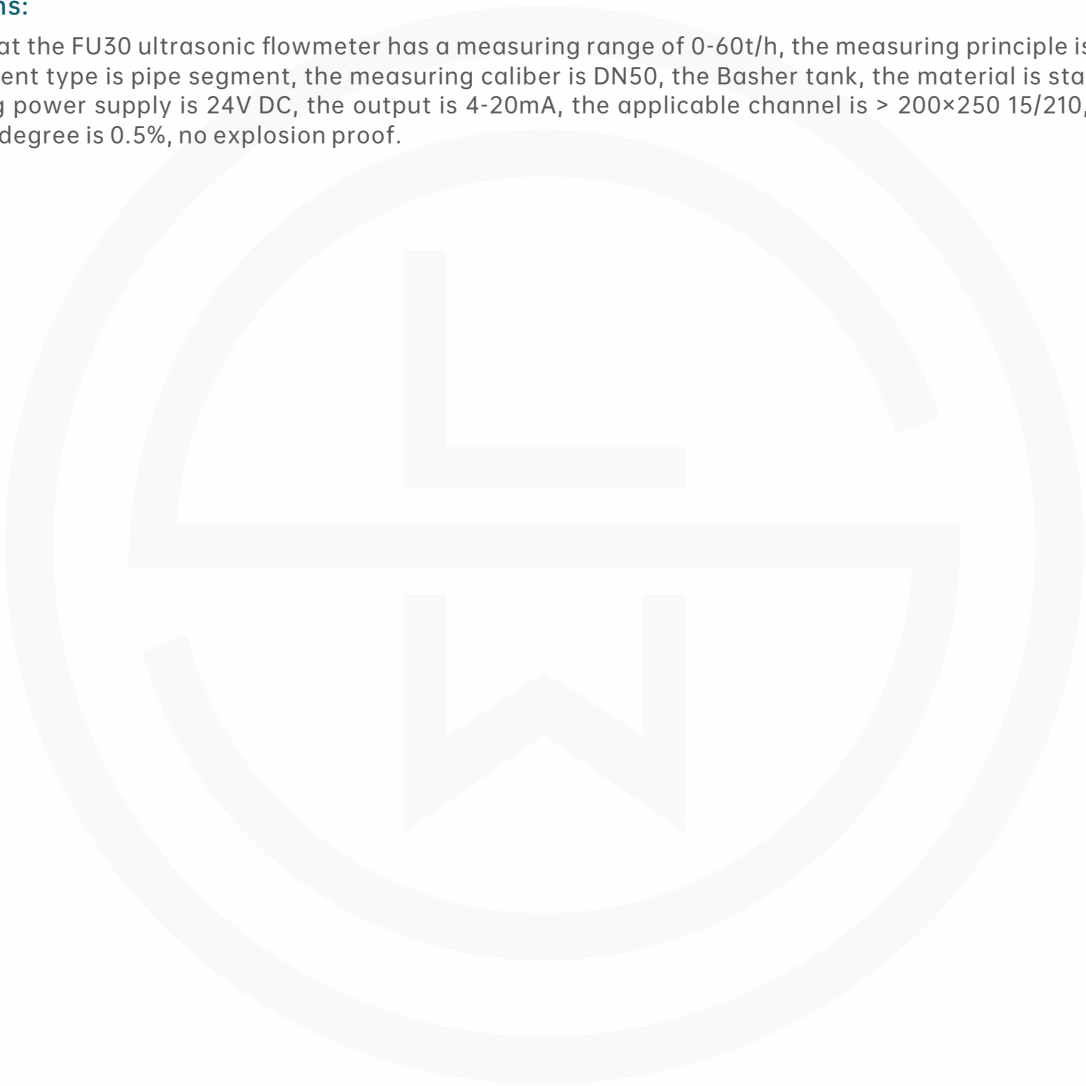
Selection example **FU30**



10.Critical submergence %	G	0.5
	H	0.6
11.Explosion-proof requirement	N	Intrinsically safe explosion protection
	O	flameproof
	P	There is no

Instructions:

It means that the FU30 ultrasonic flowmeter has a measuring range of 0-60t/h, the measuring principle is ultrasonic, the instrument type is pipe segment, the measuring caliber is DN50, the Basher tank, the material is stainless steel, the working power supply is 24V DC, the output is 4-20mA, the applicable channel is > 200×250 15/210, the critical inundation degree is 0.5%, no explosion proof.



Product Certification

Compliance and approval; Rodwig flow meters meet key standards and certifications for process measurement technology; To ensure the highest reliability in such settings;

