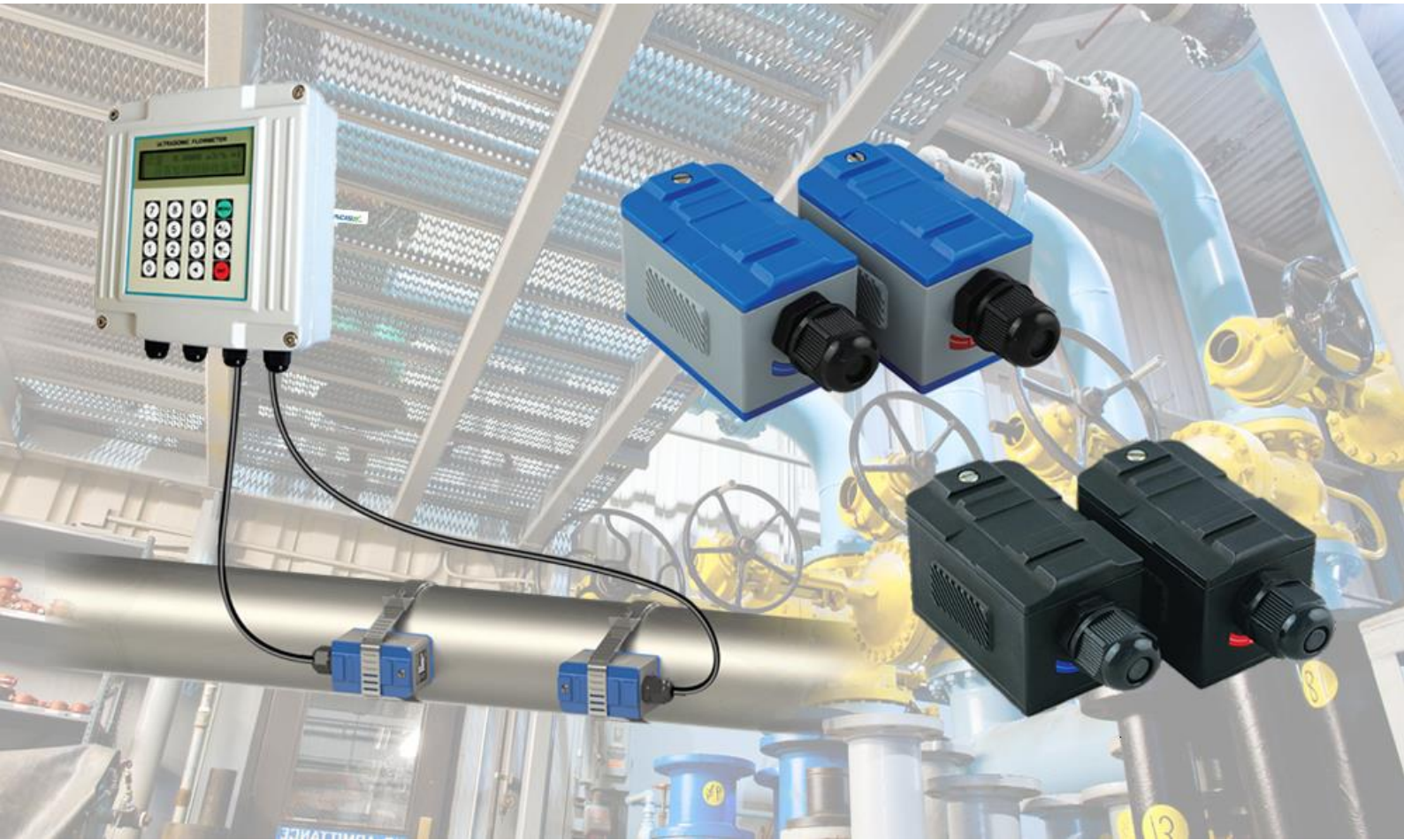


KUF2000 Series Clamp On Ultrasonic Flow Meter



Introduction

KUF2000 series clamp on ultrasonic flow meter consists of the meter and clamp on sensor.

The clamp on ultrasonic flow meter is easy for installation, no need to cut off the pipe and water, no press loss.

It support measuring online long-term. Wide range of liquid flow can be measured with the sensor clamped on the pipe.

KUFS2000A Wall Mount Clamp On type Ultrasonic Flow Meter

The KUFS2000A flow meter can be installed on the wall or in instrument box.

Clamp on sensors are fixed on the pipe by steel belt. Suitable for pipe sizes from DN32mm to DN6000mm.

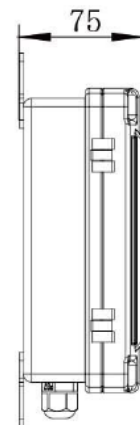
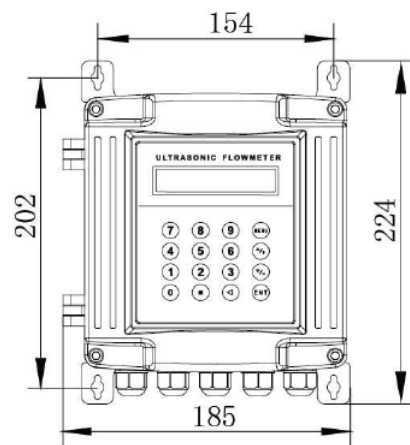


Working Condition

	Main Unit	Sensor
Protection	IP65	IP68
Humidity	≤85%RH	
Temperature	-20~60℃	-30~160℃

Basic Parameters

Accuracy	≤1%
Velocity Range	0~±10m/s, Bi-directional measurement
Pipe Size	DN32~DN6000
Temperature	-30~160℃
Type of Liquid	Single liquid can transmit sound wave. such as water, sea water, sewage, oil, chemicals, alcohol, etc
Pipe Material	Steel, Stainless steel, Cast iron, Copper, PVC, Aluminum, Glass steel, etc. Liner is allowed
Signal Output	1 way 4-20mA output(impedance 0~1K, accuracy 0.1%) 1 way OCT pulse output(Pulse width 6 ~ 1000ms) 1 way relay output
Signal Input	3 way 4-20mA input, achieve to heat measurement by connecting PT100 platinum resistor.
Interface	RS485, support MODBUS
Data Storage	SD card regularly store the pre-set results (optional)
Power Supply	DC8~36V or AC85~264V



KUFS2000A2 Wall Mount Clamp On type Ultrasonic Flow Meter

The KUFS2000A2 flow meter can be installed on the wall or in instrument box, protection grade is IP67. Clamp on sensors are fixed on the pipe by steel belt. Suitable for pipe sizes from DN32mm to DN6000mm.

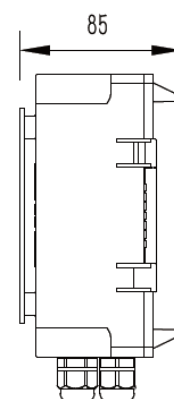
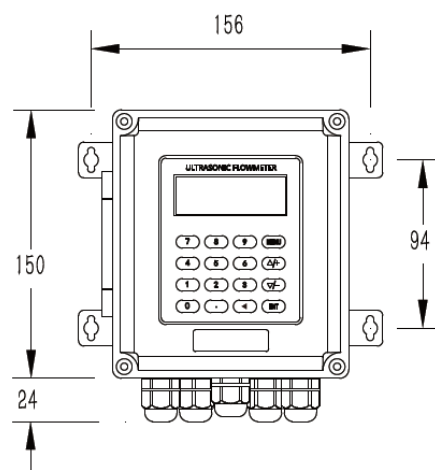


Working Condition

	Main Unit	Sensor
Protection	IP67	IP68
Humidity	≤85%RH	
Temperature	-20~60℃	-30~160℃

Basic Parameters

Accuracy	≤1%
Velocity Range	0~±10m/s, Bi-directional measurement
Pipe Size	DN32~DN6000
Temperature	-30~160℃
Type of Liquid	Single liquid can transmit sound wave. such as water, sea water, sewage, oil, chemicals , alcohol, etc
Pipe Material	Steel, Stainless steel, Cast iron, Copper, PVC, Aluminum, Glass steel, etc. Liner is allowed
Signal Output	1 way 4-20mA output(impedance 0~1K, accuracy 0.1%) 1 way OCT pulse output(Pulse width 6 ~ 1000ms) 1 way relay output
Signal Input	3 way 4-20mA input, achieve to heat measurement by connecting PT100 platinum resistor.
Interface	RS485, support MODBUS
Data Storage	SD card regularly store the pre-set results (optional)
Power Supply	DC8~36V or AC85~264V



KUFS2000B Panel Mount Clamp On type Ultrasonic Flow Meter

The KUFS2000B flow meter can be installed in instrument box.

Clamp on sensors are fixed on the pipe by steel belt. Suitable for pipe sizes from DN32mm to DN6000mm.

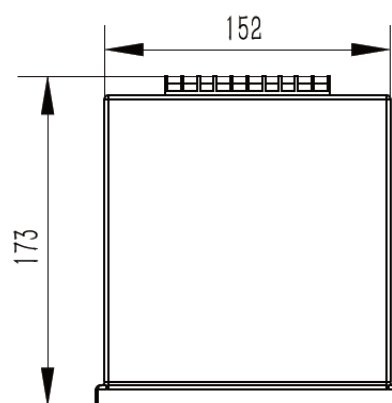
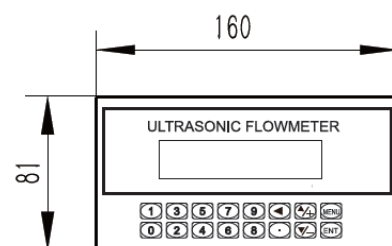


Working Condition

	Main Unit	Sensor
Protection	IP65	IP68
Humidity	≤85%RH	
Temperature	-20~60℃	-30~160℃

Basic Parameters

Accuracy	≤1%
Velocity Range	0~±10m/s, Bi-directional measurement
Pipe Size	DN32~DN6000
Temperature	-30~160℃
Type of Liquid	Single liquid can transmit sound wave. such as water, sea water, sewage, oil, chemicals , alcohol, etc
Pipe Material	Steel, Stainless steel, Cast iron, Copper, PVC, Aluminum, Glass steel, etc. Liner is allowed
Signal Output	1 way 4-20mA output(impedance 0~1K, accuracy 0.1%) 1 way OCT pulse output(Pulse width 6 ~ 1000ms) 1 way relay output
Signal Input	3 way 4-20mA input, achieve to heat measurement by connecting PT100 platinum resistor.
Interface	RS485, support MODBUS
Data Storage	SD card regularly store the pre-set results (optional)
Power Supply	DC8~36V or AC85~264V



Unit: mm

Opening Dimensions: 154*77mm

KUFS2000C Explosion-Proof Clamp On type Ultrasonic Flow Meter

The KUFS2000C flow meter adopts isolated explosion proof, grade D I I BT5

Clamp on sensors are installed on the pipe. After gluing and sealing, grade will be Intrinsically safe explosion.

Suitable for pipe sizes from DN32mm to DN6000mm.

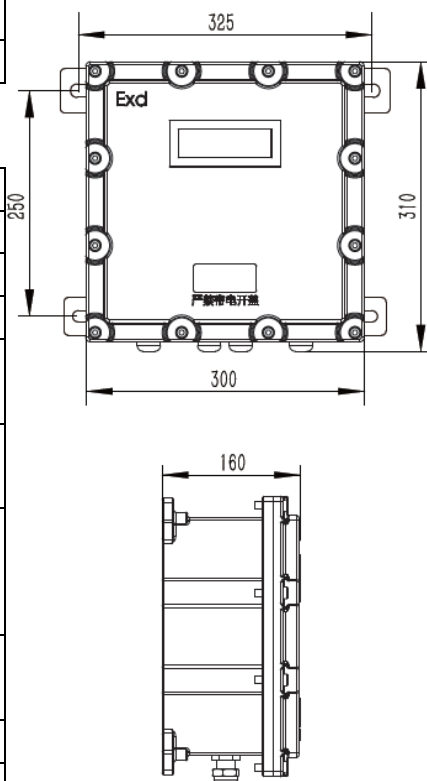


Working Condition

	Main Unit	Sensor
Protection	IP65	IP68
Humidity	≤85%RH	
Temperature	-20~60℃	-30~160℃

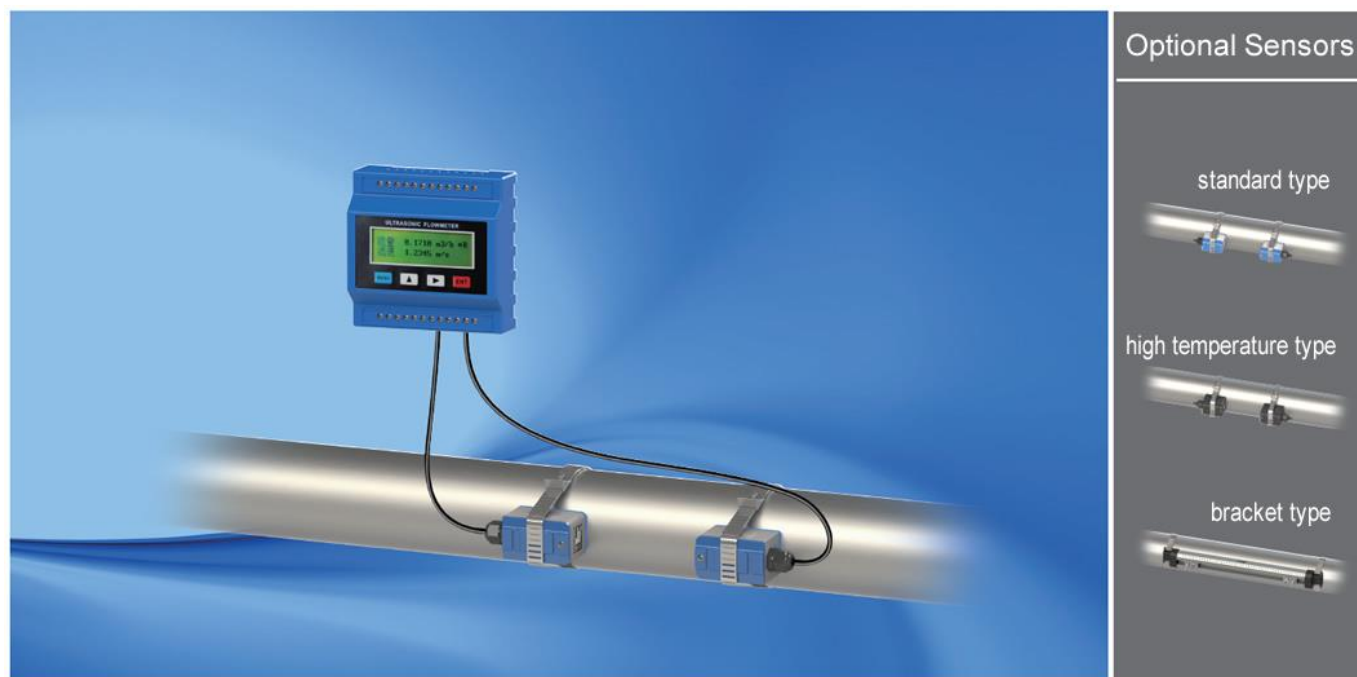
Basic Parameters

Accuracy	≤1%
Velocity Range	0~±10m/s, Bi-directional measurement
Pipe Size	DN32~DN6000
Temperature	-30~160℃
Type of Liquid	Single liquid can transmit sound wave. such as water, sea water, sewage, oil, chemicals , alcohol, etc
Pipe Material	Steel, Stainless steel, Cast iron, Copper, PVC, Aluminum, Glass steel, etc. Liner is allowed
Signal Output	1 way 4-20mA output(impedance 0~1K, accuracy 0.1%) 1 way OCT pulse output(Pulse width 6 ~ 1000ms) 1 way relay output
Signal Input	3 way 4-20mA input, achieve to heat measurement by connecting PT100 platinum resistor.
Interface	RS485, support MODBUS
Data Storage	SD card regularly store the pre-set results (optional)
Power Supply	DC8~36V or AC85~264V



KUFM2000 Clamp On Type Ultrasonic Flow Meter Module

The KUFM2000 flow meter module has small volume, overall function and low cost. Main unit uses lead rail installation. Clamp on sensors are installed on the pipe. Suitable for pipe sizes from DN32mm to DN6000mm.

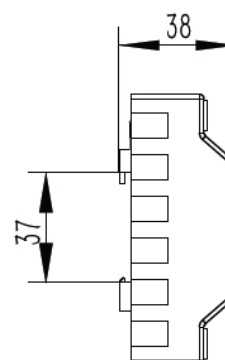
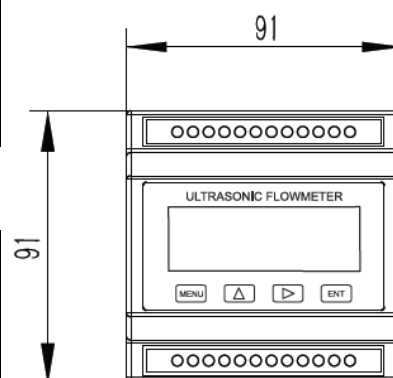


Working Condition

	Main Unit	Sensor
Protection	None	IP68
Humidity	≤85%RH	
Temperature	-20~60℃	-30~160℃

Basic Parameters

Accuracy	≤1%
Velocity Range	0~±10m/s, Bi-directional measurement
Pipe Size	DN32~DN6000
Temperature	-30~160℃
Type of Liquid	Single liquid can transmit sound wave. such as water, sea water, sewage, oil, chemicals , alcohol, etc
Pipe Material	Steel, Stainless steel, Cast iron, Copper, PVC, Aluminum, Glass steel, etc. Liner is allowed
Signal Output	1 way 4-20mA output(impedance 0~1K, accuracy 0.1%) 1 way OCT pulse output(Pulse width 6 ~ 1000ms) 1 way relay output
Signal Input	3 way 4-20mA input, achieve to heat measurement by connecting PT100 platinum resistor.
Interface	RS485, support MODBUS
Data Storage	SD card regularly store the pre-set results (optional)
Power Supply	DC8~36V



KUFF2000 Fixed Clamp On Type Ultrasonic Flow Meter

Both the main unit and sensor of the KUFF2000 flow meter are fixed on the pipe. Default is IP65, IP68 is optional. Clamp on sensors are installed on the pipe. Suitable for pipe sizes from DN32mm to DN6000mm.

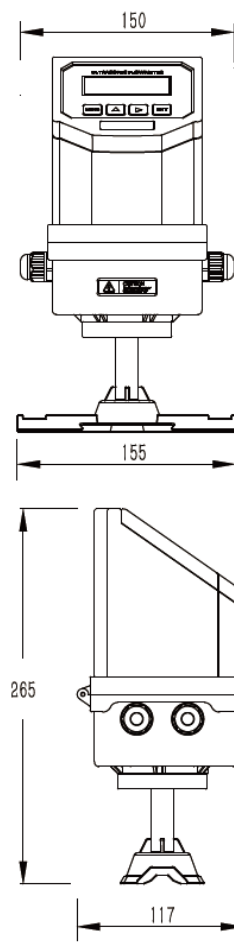


Working Condition

	Main Unit	Sensor
Protection	IP65	IP68
Temperature	-20~60℃	-30~160℃

Basic Parameters

Accuracy	≤1%
Velocity Range	0~±10m/s, Bi-directional measurement
Pipe Size	DN32~DN6000
Temperature	-30~160℃
Type of Liquid	Single liquid can transmit sound wave. such as water, sea water, sewage, oil, chemicals , alcohol, etc
Pipe Material	Steel, Stainless steel, Cast iron, Copper, PVC, Aluminum, Glass steel, etc. Liner is allowed
Signal Output	1 way 4-20mA output(impedance 0~1K, accuracy 0.1%) 1 way OCT pulse output(Pulse width 6 ~ 1000ms) 1 way relay output
Signal Input	3 way 4-20mA input, achieve to heat measurement by connecting PT100 platinum resistor.
Interface	RS485, support MODBUS
Data Storage	SD card regularly store the pre-set results (optional)
Power Supply	Default DC8~36V. AC85~264V, water proof power adapter is optional.



Optional Clamp On Sensors

Standard Clamp On Sensor

- Built-in magnet, easy to be absorbed on pipe
- IP68
- Measuring range: DN32~DN6000
- Temperature range: - 30~90℃



Type	Model	Measuring Range	Temperature	Dimension
Small Size	TS-2	DN32~DN100	- 30~90℃	45×25×28mm
Middle Size	TM-1	DN50~DN700	- 30~90℃	64×39×44mm
Large Size	TL-1	DN300~DN6000	- 30~90℃	97×54×53mm

High Temperature Clamp On Sensor

- Built-in magnet, easy to be absorbed on pipe
- IP68
- Measuring range: DN32~DN6000
- Temperature range: - 30~160℃



Type	Model	Measuring Range	Temperature	Dimension
Small Size	TS-2-HT	DN32~DN100	- 30~160℃	45×25×28mm
Middle Size	TM-1-HT	DN50~DN700	- 30~160℃	64×39×44mm
Large Size	TL-1-HT	DN300~DN6000	- 30~160℃	97×54×53mm

Mounting Bracket Clamp On Sensor

- Improve installation efficiency and accuracy
- IP68
- Measuring range: DN32~DN700
- Temperature range: - 30~160℃



Type	Model	Measuring Range	Temperature	Dimension
Standard Small Size Sensor	HS	DN32~DN100	- 40~90℃	318×59×85mm
Standard Middle Size Sensor	HM	DN50~DN300	- 40~90℃	568×59×85mm
Extended (bracket only)	EB-1	> DN300	- 40~90℃	88×59×49mm
High Temp. Small Size Sensor	HS-HT	DN32~DN100	- 40~160℃	318×59×145mm
High Temp. Middle Size Sensor	HM-HT	DN50~DN300	- 40~160℃	568×59×145mm
Extended (bracket only)	EB-1-HT	> DN300	- 40~160℃	88×59×49mm

Ordering Information

