

**ULTRA SONIC FLOW METER PORTABLE/ WALLMOUNTED**

## Ultrasonic flow meter

Clamp on ultrasonic flow meter is available in market in various sizes, designs and shapes. It is highly appreciated for their long functional life.

- Non-invasive clamp-on Technology
- Easy to install
- No pressure drop, moving parts, leakage or corrosion
- No pipe cutting or process interruption
- Measurement independent of fluid properties
- Wide Bi-directional flow range

## Installation



The main unit is suitable for wall mounting, used in most situations with no special requirements. Optional clamp-on transducers, measuring range from DN32~DN6000mm.

## Optional Transducer



Clamp on Transducer



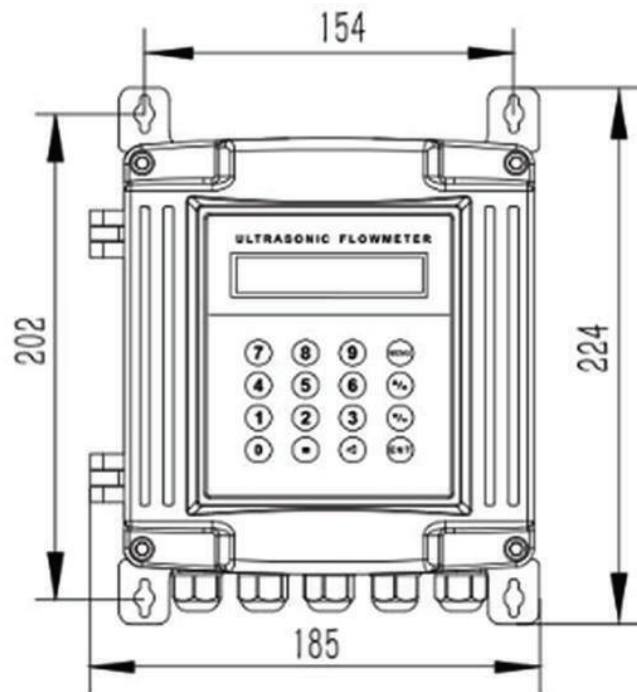
High temperature Clamp on Transducer



Mounting bracket Clamp on Transducer

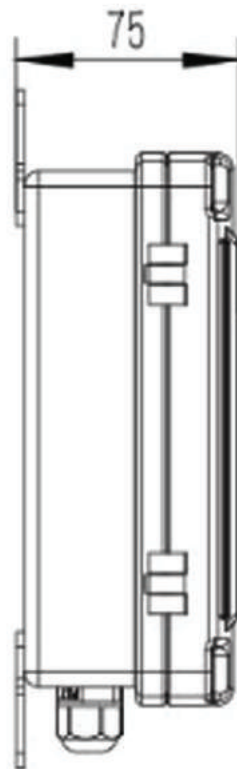
## Parameters of Main unit

	Main Unit	Transducer
Protection Level	IP65	IP68
Humidity	≤8.5 % RH	
Temperature	-20~60°C	-30°C~160°C



### Basic Parameters

Accuracy	≤ 1 %
Velocity Range	0~±10m/s , Bi-directional measurement
Pipe Size	DN32~DN6000mm
Temperature	-30°C~160°C
Type of Liquid	Single liquid that can transmit ultrasound , such as water , sea water , sewage , oil , 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 ; 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.
Interface	RS485 , support MODBUS
Data Storage	SD card regularly store the pre-set results(optional)
Power Supply	DC8~36V or AC85~264 V



Unit : mm

## Parameters of Transducer

### Clamp on Transducer



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

Type	Model	Measuring Range	Temperature	Dimension
Small Size	TS-2	DN32~DN100	-30~90°C	45x25x28mm
Medium Size	TM-1	DN50~DN700	-30~90°C	64x39x44mm
Large Size	TL-1	DN300~DN6000	-30~90°C	97x54x53mm

## High Temperature Clamp on Transducer



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

Type	Model	Measuring Range	Temperature	Dimension
Small Size	TS-2-HT	DN15~DN100	-30~160°C	45x25x28mm
Medium Size	TM-1-HT	DN50~DN700	-30~160°C	64x39x44mm
Large Size	TL-1-HT	DN300~DN6000	-30~160°C	97x54x53mm

## Mounting Bracket Transducer



- Improve installation efficiency and accuracy
- Protection Level: IP68
- Measuring range: DN32~DN700
- Temperature range: -30~160°C

Type	Model	Measuring Range	Temperature	Dimension
Small Size	HS	DN15~DN100	-40~90°C	318x59x85mm
Medium Size	HM	DN50~DN700	-40~90°C	568x59x85mm
Extended	EB-1	>DN300	-40~90°C	88x59x49mm
Small Size	HS-HT	DN15~DN100	-40~160°C	318x59x145mm
Medium Size	HM-HT	DN50~DN300	-40~160°C	568x59x145mm
Extended	EB-1-HT	>DN300	-40~160°C	88x59x49mm