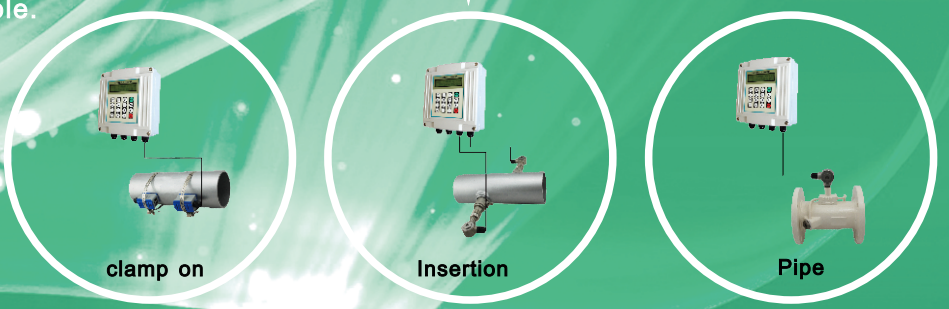
The fixed separated model is inline measurement for long-term.

There are 3 types convertors including wall mounted, panel mounted and proof-explosion.

Convertors can be installed at indoor or instrument cabinet Transducers should be installed on the measuring pipe; Convertor and transducer be connected by cable.



| Features |

- High Accuracy
  1%
- Wide measuring range
  Several types transducer for selection, pipe size from DN25mm to DN6000mm
- High Reliability
  Adopt low voltage, multi-pulse technology to improve accuracy, useful life and reliability.
- Strong Anti-interference
  Dual-balance signal differential receiver/driver circuit to avoid interference of converter, TV tower, high voltage line etc.
- Support Heat Measurement
  Connect the temperature transducer , can finish the heat/energy measurement

| Liquid Type |

This flowmeter can be virtually applied to a wide range of measurement. A variety of liquid applications can be accommodated: ultra-pure liquids, potable water, chemicals, raw sewage, reclaimed water, cooling water, river water, plant effluent. etc

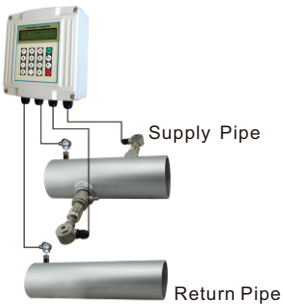
| Measuring Diagram |

Flow Measurement	Heat Measurement	Features

Calmp on

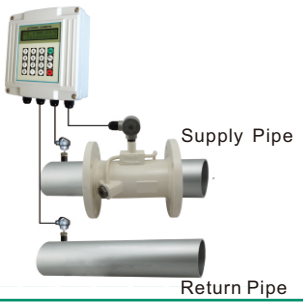
- No need to cut off water , no pressure loss
- Easy for installation
- Connect clamp on temperature transducer, can finish the heat/energy measurement

Insertion



- No need to cut off water , no pressure loss
- Stable and reliable for long term operation
- Connect Pt100 temperature transdcuer, can finish the heat/energy measurement

Pipe



- Need to cut off pipe
- With high accuracy and stability
- Connect Pt100 temperature transducer, can finish the heat/energy measurement

| Optional Convertor |

According to different installation condition, pls choose relative convertor

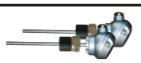
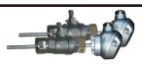
- Panel mounted CAM-3000SS
- Instrument cabinet installation
- Dimension : 170×180×56mm
- Hole-opening dimension 152×76mm
- Power supply: DC8~36V or AC85~264V

- Explosion-proof CAM-3000SD
- Explosion-proof installation
- Dimension : 298×298×110mm
- Power supply: DC8~36V or AC85~264V
- Grade : DⅡBT4

| Optional Transducers |

Types	Picture	Spec.	Model	Measurement Range	Temperature	Dimension
Clamp on		Small Size	TS-2	DN25~DN100	-30~90℃	45×25×32mm
		Medium Size	TM-1	DN50~DN700	-30~90℃	64×39×44mm
		Large Size	TL-1	DN300~DN6000	-30~90℃	97×54×53mm
High temp . clamp on		Small Size	TS-2-HT	DN25~DN100	-30~160℃	45×25×32mm
		Medium Size	TM-1-HT	DN50~DN700	-30~160℃	64×39×44mm
		Large Size	TL-1-HT	DN300~DN6000	-30~160℃	97×54×53mm
Insertion		Standard	TC-1	DN80~DN6000	-30~160℃	190×80×55mm
		Lengthen	TC-2	DN80~DN6000	-30~160℃	335×80×55mm
Pipe		π type	G3	DN15~DN25	-30~160℃	Pls refer to detailed pipe dimensions
		Standard	G2	DN32~DN40	-30~160℃	
		Standard	G1	DN50~DN6000	-30~160℃	

| Optional Temperature Transducers |

Picture	Specification	Model	Meas. Range	Temperature	Cut of water	Accuracy
	Clamp on temperature Transducer Pt100	CT-1	≥DN50	-40~160℃	No	100℃ ± 0.8℃
	Insertion temperature Transducer Pt100	TCT-1	≥DN50	-40~160℃	Yes	
	Insertion Pt100 Installation with pressure	PCT-1	≥DN50	-40~160℃	No	
	Insertion Pt100 Small size pipe diameter	SCT-1	<DN50	-40~160℃	Yes	

| Datasheet |

Items		Performance & Parameter
Convertor	Principle	Transit-time ultrasonic flowmeter
	Accuracy	±1%
	Display	2×20 character LCD with backlight, support the language of Chinese, English and Italy
	Signal Output	1 way 4~20mA output, electric resistance 0~1K，accuracy0. 1%
		1 way OCT pulse output(Pulse width 6~1000ms，default is 200ms)
		1 way Relay output
	Signal Input	3 way 4~20mA input, accuracy 0. 1%，acquisition signal such as temperature, press and liquid level
		Connect the temperature transducer Pt100, can finish the heat/energy measurement
	Data Interface	Insulate Rs485 serial interface, upgrade the flowmeter software by computer, support the MODBUS
Special Cable	Twisted-pair cable, generally, the length under 50 meters; Select the RS485, transmission distance can over 1000m	
Pipe Installation Condition	Pipe Material	Steel, Stainless steel, Cast iron, Copper, Cement pipe, PVC, Aluminum, Glass steel product, liner is allowed
	Pipe Diameter	25~6000mm
	Straight Pipe	Transducer installation should be satisfied: upstream10D, downstream 5D, 30D from the pump
Measuring Medium	Type of Liquid	Single liquid can transmit sound wave, such as Water (hot water, chilled water, city water, sea water, waste water, etc.); Sewage with small particle content
	Temperature	-30~160℃
	Turbidity	No more than 10000ppm and less bubble
	Flowrate	0~±7m/s
Working Environment	Temperature	Convertor：-20~60℃；Flow Transducer：-30~160℃
	Humidity	Convertor: 85%RH；Flow Transducer：can measure under water, water depth≤2m（tansducer sealed glue）
Power Supply	AC 220V	
Power Consumption	1. 5W	
Dimension	170*180*56cm(convertor)	