

TUF-2000B ULTRASONIC FLOW METER DN 50 MM - DN 700 MM WALL MOUNTED TYPE ULTRASONIC LIQUID FLOWMETER IP 67 PROTECTION

Wall mounted ultrasonic flow meter Transducer protection class IP98 Convertor protection class IP67 DN15~DN6000mm wide measurment range Multiple signal output, achieve remote monitoring. Can be used as heat meter by connected to PT100 heat transducer

Introduction of Ultrasonic flow meter:

TUF-2000B Flowmeter can be virtually applied to a wide range of long-term online measurement. The enclosure comes with protection class IP67 and transducer protection class IP98. Variety of liquid applications can be accommodated ultra-pure liquids, portable water, chemicals, raw sewerage, reclaimed water, cooling water, river water, plant etc.



Performance and Parameters:

Items	Performance &	Performance & Parameters						
	Principle	Transit-time ultrasonic flowmeter						
	Accuracy	±1%						
Convertor	Display	2x20 characters LCD with backlight, support the language of English						
		1-way 4-20 mA output, electric resistance 0-1 K, accuracy 0.1%						
	Signal output	1-way OCT pulse output (Pulse width-1000 ms, default is 200 ms)						
		1-way Relay output						
	Signal input	3-way 4-20 mA input, accuracy 0.1%, acquisition signal such as temperature, press and liquid level						
		Connect the temperature transducer PT-100, can finish the heat/energy measurement.						
	Data Interface	Insulate RS-485 serial interface, upgrade the flowmeter software by computer, support the MODBUS.						
Special Cable		Twisted-pair cable, generally, the length under 50 meters, select the RS-485, transmission distance can over 1000 m						
Pipe Installation Condition	Pipe material	Steel, stainless steel, cast iron, copper, cement pipe, PVC, Aluminum, glass steel product, liner is allowed						
	Pipe diameter	25-6000 mm						
	Straight pipe	Transducer installation should be satisfied: upstream 10 D, downstream 5 D, 30 D from the pump.						
	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 con tent, oil (crude oil, lubricating oil, diesel oil, fuel oil, etc.); chemicals (alcohol, etc.); plant effluent; beverage; Ultra-pure liquids, etc.						
	Temperature	-30-160°C						
NA	Turbidity	No more than 10,000 ppm and less bubble						
Measuring Medium	Flow rate	0-±7 m/s						
	Temperature	Convertor; -20-60°C; Flow Transducer: -30-160°C						
	Humidity	Convertor: 85% RH; Flow Transducer: can measure under water, water depth ≤2 m						
Working	Temperature	Convertor; -20-60°C; Flow Transducer: -30-160°C						
Environment		Convertor: 85% RH; Flow Transducer: can measure under water, water depth ≤ 2m						
Power Supply		DC 8-36 V or AC 85-264 V (Optional)						
Power Consumption		1.5 W						
Dimensions		132*150*85 mm (convertor)						



Standard Packing:

TUF-2000B Host

Steel Belt

TM-1 Ultrasonic Transducer

2 x 5 m flow signal cable optional transducers:



Please choose the suitable transducer, according to different liquid pipe condition and installation method, (please refer to the measuring diagram).

Types	Picture	Spec.	Model	Measurement Range	Temperature Dimension		1
Clamp on	36	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	98	Sma ll Size	TS-2-HT	DN15~DN100	-30~160℃	45×25×32mm	
	92	Medium Size	TM-1-HT	DN50~DN700	-30~160℃	64×39×44mm	
	98	Large Size	TL-1-HT	DN300~DN6000	-30~160℃	97×54×53mm	
Insertion	de elle	Standard	TC-1	DN80~DN6000	-30~160℃	190×80×55mm	
	A CONTRACTOR	Lengthen	TC-2	DN80~DN6000	-30~160℃	335×80×55mm	
Pipe	256	π type	G1	DN15~DN32	-30~160℃	SUS304 thread connection	Please refer to
	12	Standard	G2	DN40~DN1000	-30~160℃	carbon steel thread connection	detai l ed pipe dimensions

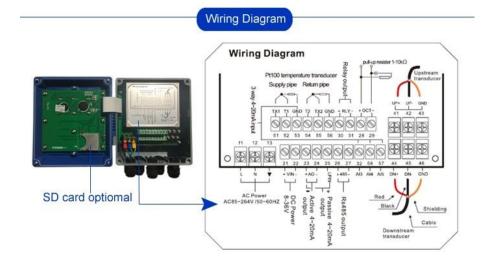


Optional temperature transducers PT-100:

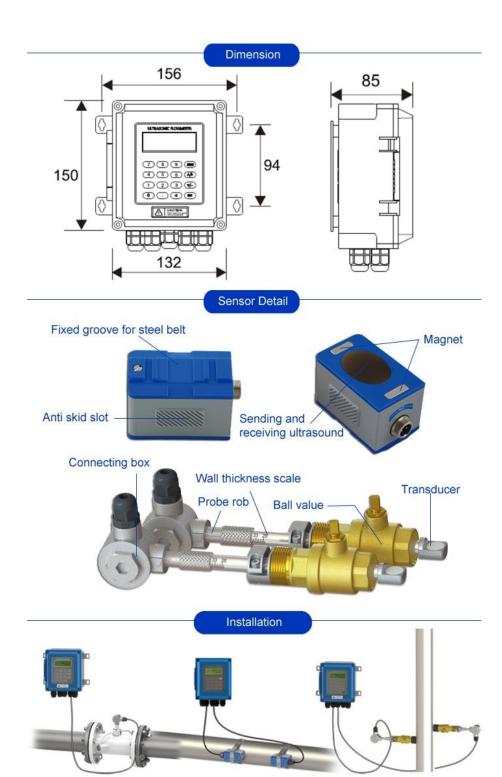
Cloud services

PT100	Picture	Model	Accuracy	Cut off water	Measuring Range	Temperature
Clamp on		CT-1	±1%	No	DN50-6000mm	-40℃-160℃
Insertion Type		TCT-2	±1%	Yes	DN50-6000mm	-40℃-160℃
Insertion Type Installation with pressure		PCT-1	±1%	NO	DN50-6000mm	-40℃-160℃
Insertion Type for small pipe diameter	Qu	SCT-1	±1%	Yes	DN15-50mm	-40℃-160℃

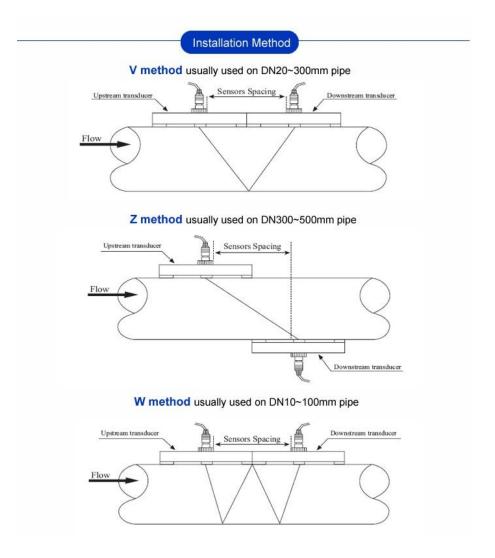


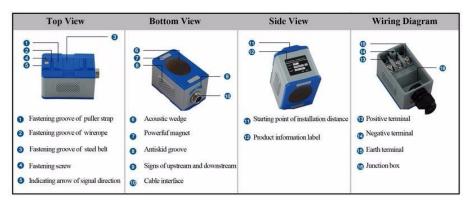












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