

| Features |

High Accuracy measuring

Accuracy: ±1%

Wide measuring range

Several types of transducers for selection, measuring pipe size from DN25mm to DN6000mm

Large capacity battery

Built-in rechargeable Ni-MH battery, provide over 12 hours of continuous operation

Built-in printer

Available to print data in real time, also available to timed print over 20 pre-set measuring results

Data storage

Store over 20 pre-set measuring results to SD card, make it easy to data analysis and statistics

Rs485 communication interface

Upload the parameters and measuring results to computer

· Various input and output signal

Output signal: pulse signal, relay signal

Input signal: 3 way 4-20mA

| Measuring Diagram |

Clamp on transducers	Clamp on Mounting Bracket Transducers
Easy for installation No need to cutoff water, no pressure loss	 Simplify installation process, shorten installation time, improve installation accuracy. Easy for installation, no need to cutoff water, no pressure loss

Optional Transducers

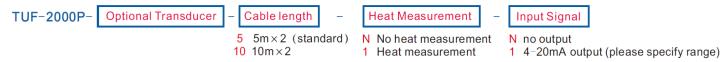
Types	Picture	Spec.	Model	Measurement Range	Temperature	Dimension
Clampon		Small Size	TS-2	DN25~DN100	-30~90℃	45×25×32mm
		Medium Size	TM-1	DN50~DN700	-30~90℃	64×39×44mm
	0 0	Large Size	TL-1	DN300~DN6000	-30~90℃	97×54×53mm
High temperature clamp on	*	Small Size	TS-2-HT	DN25~DN100	-30~160℃	45×25×32mm
		Medium Size	TM-1-HT	DN50~DN700	-30~160℃	64×39×44mm
		Large Size	TL-1-HT	DN300~DN6000	-30~160℃	97×54×53mm
Mounting Bracket Clamp on		Small Size	HS	DN25~DN100	-30~90℃	318×59×85mm
		Medium Size	НМ	DN100~DN300	-30~90℃	568×59×85mm
		Extended	EB-1	DN300~DN700	-30~90℃	188×59×49mm
High Temperature Mounting Bracket Clamp on		Small Size	HS-HT	DN25~DN100	30~160℃	318×59×110mm
		Medium Size	НМ-НТ	DN100~DN300	-30~160℃	568×59×110mm
	50	Extended	EB-1-HT	DN300~DN700	30~160℃	188×59×49mm

TUF-2000P Portable Ultrasonic Flow Meter

| Datasheet |

Items	Performance & Parameter				
	Principle	Transit time ultrasonic flowmeter			
	Accuracy	± 1%			
	Display	2×20 character LCD with backlight, support the language of Chinese, English and Italian			
Convertor	Signal Output 1 way OCT pulse output(Pulse width 6~1000ms, the default value is 200ms) 1 way relay output				
	Signal Input	3 way 4-20mA input, accuracy 0.1%, acquire signals such as temperature, press and liquid level			
		Achieve to heat measurement by connecting the temperature transducer PT100.			
	Data Interface	Insulate RS485 serial interface, upgrade the flowmeter software by computer, support MODBUS			
	Data Record	Thermal printer, external SD card(2G of capacity)			
Pipe	Material	Steel, Stainless steel, Cast iron, Copper, Cement pipe, PVC, Aluminum, Glass steel product, liner is allowed.			
Installation	Diameter	25~6000mm			
Condition	Straight Pipe	Transducer installation should be satisfied: upstream 10D, downstream 5D, 30D 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 partical content			
Measuring Medium	Temperature	30~160℃			
	Turbidity	Less than 10000ppm and little bubble			
	Flowrate	0~±10m/s			
Working	Temperature	Convertor: -20~60℃; Transducer: -30~160℃			
Environment	Humidity	Convertor: 85%RH; Transducer protection level: IP67			
Power Supply	8 built-in Ni-MH batteries 1.2V(for over 20 hours of operation). Could operate 8 hours by connecting 4-20mA signal output. 90V - 260V AC adapter				
Power Consumption	1. 5W				

| Ordering Code |



Example: TUF-2000P-HS, HM, TL-1-5-N-N