

I Features

High Accuracy measuring

Accuracy: \pm 1%, linearity: 0.5%, repeatability: 0.2%

Wide measuring range

Several types transducer 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
- Non-intrusive measuring
 Non-intrusive, clamp-on transducer, no pressure drop, no pipe disturbance
- Support Multiple Language Menu
 Chinese, English, Italian and other languages can be customized
- Large LCD display

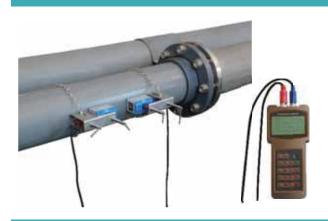
Display instantaneous flow, accumulated flow (positive, negative and net), velocity, working status etc.

Built-in data logger
 Built-in 24K data logger, store over 2000 lines measuring data

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



Clamp on Transducers

- Install the clamp on transducer(with magnet) on the pipe, can finish the flow measurement. No pressure drop, no need cut off pipe.
- Several types transducers for selection, measuring pipe size from DN 25mm to DN 6000mm.
- Several types transducers for selection,



Clamp on Mounting Bracket Transducers

- Bracket transducer can simplify the ultrasonic flowmeter installation process, shorten installation time and improve installation accuracy.
- Install the clamp on bracket transducer(with magnet)on the pipe, can finish the flow measurement. No pressure drop, no need cut off pipe.
- Several types bracket transducers for selection, measuring pipe size from DN25mm to Dn700mm.
- Several types bracket transducers for selection, measuring temperature range from -30 to 160.

Applications

Water supply and drainage

Heating

Construction of Energy-saving

Metallurgy



Petrochemical

Power











Parts Descriptions



Transducer Interface



Communication & Signal Output Interface

32Kbit Data Storage

It is convenient for measuring data storage, if use our company's "Flow data analysis, statistical software" for processing, can finish the tabulation, statistical, data analysis, printing reports, production flow curve and other functions.



Display

4×16 character screen with backlight can display instantaneous flow, accumulated flow (positive, negative and net), velocity, working status etc

Aluminum alloy Carrying Case



Optional Transducer

Types	Picture	Spec.	Model	Measurement Range	Temperature	Dimension
Clamp on	96	Small Size	TS-2	DN25~DN100	-30~90℃	45×25×32mm
	96	Medium Size	TM-1	DN50~DN700	-30~90℃	64 ×39 ×44mm
	30	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	Sales Sales	Small Size	HS	DN25~DN100	-30~90℃	318×59×85mm
	-	Medium Size	НМ	DN50~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 °C	318×59×110mm
		Medium Size	HM-HT	DN50~DN300	-30∼160℃	568×59×110mm
	*	Extended	EB-1-HT	D N300 ~ D N700	-30∼160℃	188×59×49mm

Datasheet

Items	Performance & Parameter				
Convertor	Principle	Transit-time ultrasonic flowmeter			
	Accuracy	±1%			
	Display	4 imes16 character LCD with backlight, support the language of Chinese, English and Italy			
	Signal Output	1 way OCT pulse output(Pulse width 6~1000 ms, default is 200 ms)			
	Data Interface	Insulate Rs232 serial interface, upgrade the flowmeter software by computer			
Pipe Installation Condition	Pipe Material	Steel, Stainless steel, Cast iron, Copper, Cement pipe,PVC, Aluminum, Glass steel product, liner is al			
	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; Oil (crude oil, lubricating oil, diesel oil, fuel oil, etc.); Chemicals (alcohol, etc.); Plant effluent; Beverage; Ultra-pure liquids, etc.			
	Temperature	-30~160℃			
	Turbidity	No more than 10000ppm and less bubble			
	Flowrate	0~±10m/s			
Working Environment	Temperature	Convertor: -20~60°C; Flow Transducer: -30~160°C			
	Humidity	Convertor: 85%RH; Flow Transducer: lp67			
Power Supply	3 AAA built-in Ni-MH batteries 1.2V(for over 12 hours of operation). 90V-260VAC adapter				
Power Consumption	1. 5W				
Case Material	ABS				
Dimension	200*93*32MM(Convertor)				

Accessory Box





Ordering Code

LRF - 2000H - Optional Transducer - Cable length

 $5 \hspace{0.1cm} \text{5m} \hspace{-0.1cm} \hspace{-0.1$

10 10m×2

Example: LRF - 2000H+HM+10m

 $PS: \ Standard \ confirguration = LRF - 2000H \ (convertor) + TM - 1 + 5M*2 \ cable \ + Stretcher + Couplant (1 pc) + Carrying \ case + Ruler + Couplant (1 pc) + Carrying \ case + Carryi$