SLH-P

Portable Ultrasonic Flow Meter

SLH-P Portable ultrasonic flow meter realizes the non-contact measurement. It is ideal for flow surveys and closed-pipe application where non-invasive measurement of liquids is required. Built-in SD card and printer can timely or regularly print pre-set measuring results.

Temperature and heat can also be measured by connecting damp on temperature transducer. Widely be used in water supply, heat supply, chemical industry, machinery and energy resources.



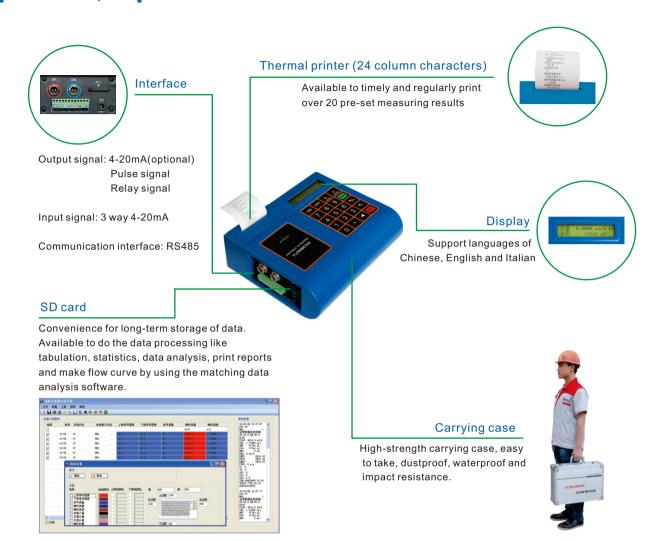
Measuring Diagram

Clamp on Transducer	Mounting Bracket Transducer	
 No need to cutoff water, no pressure loss Measuring range: DN15~DN6000 Fluid temperature: -30℃~160℃ 	 No need to cutoff water, no pressure loss Measuring range: DN15~DN700 Fluid temperature:-30°C~160°C Improve installation accuracy, shorten installation time 	

Optional transducers

Types	Picture	Spec.	Model	Measurement Range	Temp.	Dimension
Clamp on	S C	Small Size	TS-2	DN15~DN100	-30~90℃	45×25×32mm
	(e)	Medium Size	TM-1	DN50~DN700	-30~90℃	64×39×44mm
		Large Size	TL-1	DN300~DN6000	-30~90℃	97×54×53mm
High temperature clamp on		Small Size	TS-2-HT	DN15~DN100	-30~160℃	45×25×32mm
	5 3	Medium Size	TM-1-HT	DN50~DN700	-30~160℃	64×39×44mm
	88	Large Size	TL-1-HT	DN300~DN6000	-30~160℃	97×54×53mm
Mounting Bracket Clamp on		Small Size	HS	DN15~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	DN15~DN100	-30~160℃	318×59×110mm
		Medium Size	HM-HT	DN50~DN300	-30~160℃	568×59×110mm
	5	Extended	EB-1-HT	DN300~DN700	-30~160℃	188×59×49mm

Parts Description



Size and Fittings



Mounting bracket transducer

Size of carrying case: length \times width \times height $615 \times 420 \times 130$ mm



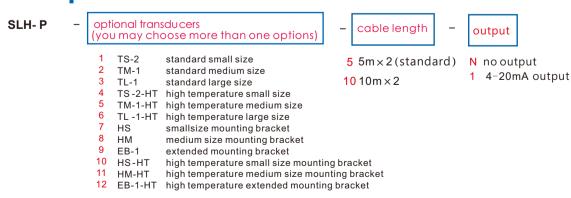
Clamp on transducer

Size of carrying case: length ×width ×height $470 \times 350 \times 130 \text{ mm}$

Data sheet

Items	Performance & Parameter					
A	Principle	le Transit time ultrasonic flowmeter				
	Accuracy	± 1%				
	Display	2×20 character LCD with backlight, support the language of Chinese, English and Ital				
	Signal Output	1 way 4-20mA output, electric resistance 0~1K, accuracy 0.1%				
Flow meter		1 way OCT pulse output(Pulse width 6~1000ms, the default value is 200ms)				
		1 way relay output				
	Signal	3 way 4-20mA input,, acquire signals such as temperature, press and liquid level.				
	Input	Achieve to heat measurement by connecting the temperature transducer PT100.				
	Data Interface	RS485 serial interface, upgrade the flowmeter software by computer, support MODBUS				
	Data Record	Thermal printer, external SD card(2G of capacity)				
Pipe Installation	Pipe Material	Steel, Stainless steel, Cast iron, Copper, Cement pipe, PVC, Aluminum, Glass steel product, liner is allowed.				
Condition	Pipe Diameter					
	Straight Pipe	Transducer installation should be satisfied: upstream 10D, downstream 5D, 30D from the pu				
	Type of Liquid	Single liquid can transmit sound wave, such as water, sewage, oil, chemicals, plant effluent, beverage, ultra-pure liquids, etc.				
Measuring	Temperature	-30~160℃				
Medium	Turbidity	Less than 10000ppm and little bubble				
	Flowrate	0~±10m/s				
Working	Temperature	Convertor: -20~60; Transducer: -30~160				
Environmen	Humidity	Convertor: 85%RH; Transducerl 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					

Model selection code



Example: SLH - P - 1, 2, 3 - 5 - N

Explanation: portable ultrasonic flow meter, small size clamp on transducer, medium size clamp on transducer, large size clamp on transducer, cable length 5m×2, no 4-20mA output