

KUFH2000 Series Handheld Ultrasonic Flow Meter



Related Products:



KUF2000A



KUF2000B



KUF2000C



KUF2000



KUF2000



KUF2000

Introduction

KUFH2000 handheld ultrasonic flow meter is ideal for flow surveys and closed pipe application where non-invasive measurement of liquids is required.

The advantages of high measurement accuracy, good consistency, battery power supply, easy operation and portability make this meter the smallest and lightest flow meter in domestic and a significant portable ultrasonic flow meter.

Features

High accuracy

Linearity: better than 0.5%, Repeatability: better than 0.2%, Accuracy: $\pm 1\%$

Wide range of flow rate and pipe diameter

Suitable for the pipe with DN32to DN6000

Rechargeable power supply

Built-in NIMH rechargeable battery, which can support 12 hours of continuous work. When charging by power adapter, it can realize the uninterrupted measurement.

Non-intrusive measuring

Non-intrusive, clamp-on transducer, no pressure drop, no pipe disturbance.

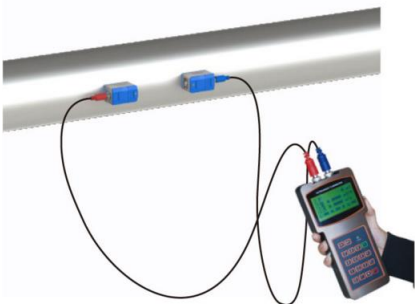

Large LCD display

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

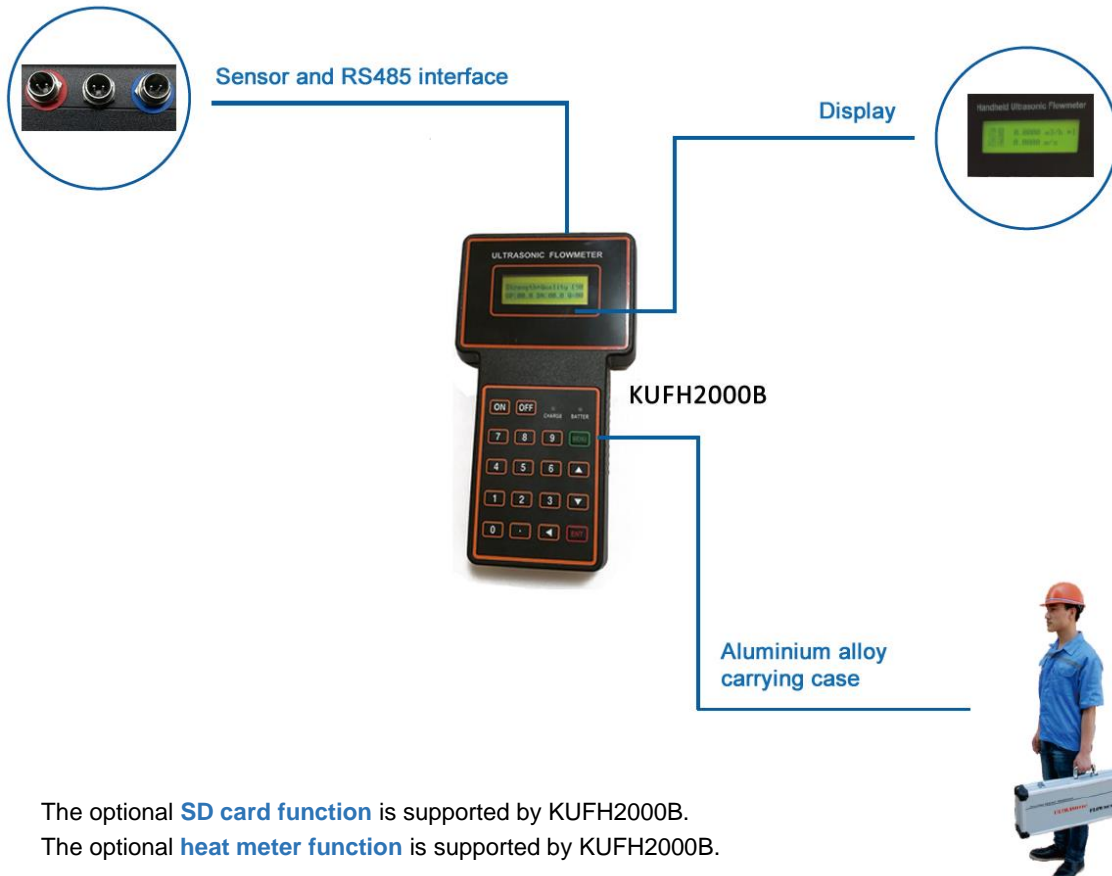
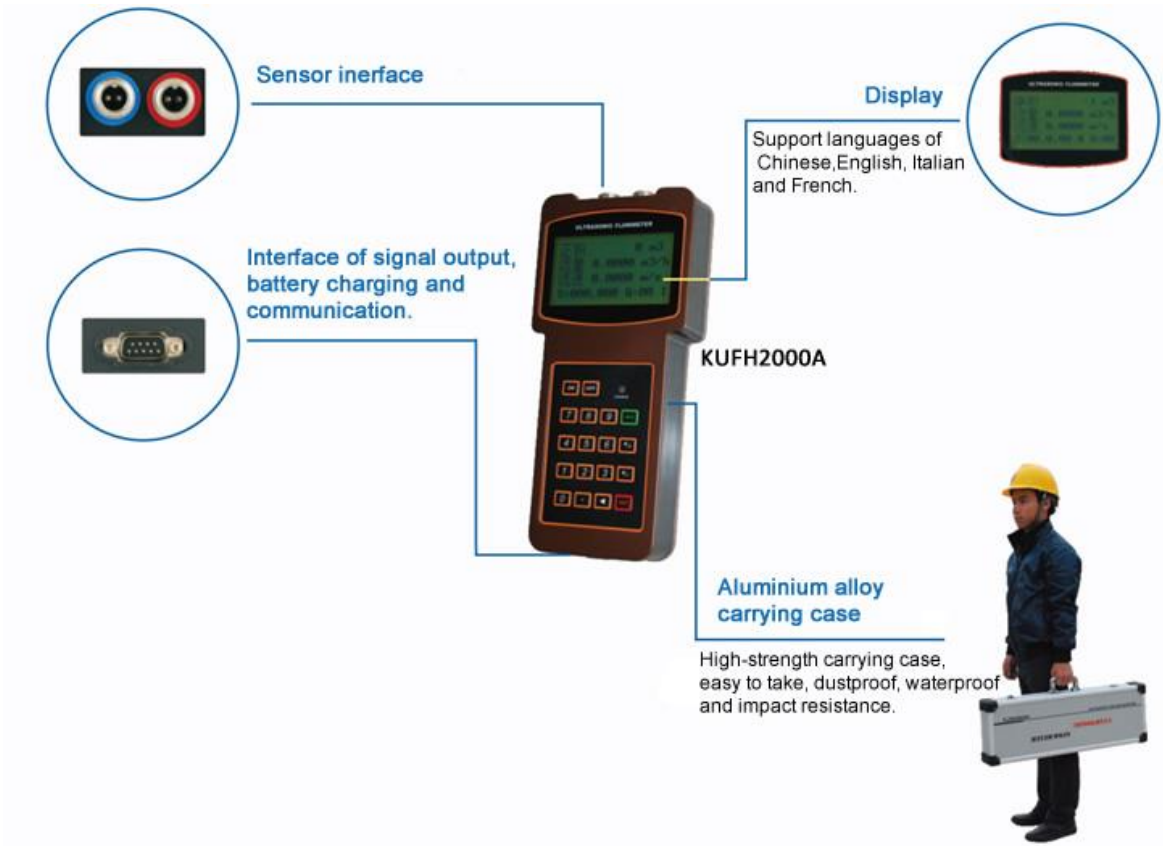
Built-in data logger

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

Installation













<p style="text-align: center;">Clamp on type</p> 	<p style="text-align: center;">Mounting bracket on type</p> 
<p>Easy to install without interrupt fluid Measuring range DN15~D6000 Fluid temperature -30~160°C</p>	<p>Easy to install without interrupt fluid Measuring range DN15~D6000 Fluid temperature -30~160°C Improve installation accuracy, shorten install time</p>

Description of parts



The optional **SD card function** is supported by KUFH2000B.
The optional **heat meter function** is supported by KUFH2000B.

Sensor selection

Type	Picture	Specification	Type No.	Pipe DN	Temp. AV	Dimension
Standard Clamp on type		Small	TS-2	DN32~DN100	-30~90℃	45x25x32mm
		Middle	TM-1	DN50~DN700	-30~90℃	64x39x44mm
		Large	TL-1	DN300~DN6000	-30~90℃	97x54x53mm
Anti-high temp. Clamp on type		Small	TS-2-HT	DN32~DN100	-30~160℃	45x25x32mm
		Middle	TM-1-HT	DN50~DN700	-30~160℃	64x39x44mm
		Large	TL-1-HT	DN300~DN6000	-30~160℃	97x54x53mm
Standard clamp on type with mounting bracket		Small	HS	DN32~DN100	-30~90℃	318x59x85mm
		Middle	HM	DN50~DN300	-30~90℃	568x59x85mm
		Extension	EB-1	DN300~DN700	-30~90℃	188x59x49mm
Anti-high temp. clamp on type with mounting bracket		Small	HS-HT	DN32~DN100	-30~160℃	318x59x110mm
		Middle	HM-HT	DN50~DN300	-30~160℃	568x59x110mm
		Extension	EB-1-HT	DN300~DN700	-30~160℃	188x59x49mm

Parameters

Parts	Parameters in detail	
Host part	Theory	Ultrasonic time gap
	Accuracy	± 1%
	Display	4 x 8 or 4 x 16 Character matrix backlight LCD, support English, Italian, Chinese.
	Signal output	1 channel pulse output OCT (pulse width is adjustable between 6~1000ms, 200ms(default).
	Digital port	RS232 (KUFH2000A) / RS485(KUFH2000B) support Mod-bus protocol and support firmware update
Suit pipe	Pipe material	Steel, cast iron cement, copper, PVC, Aluminum, glass, etc
	Inner DN	32~6000mm
	Sensor position	It's better the sensor fix at the position of at least 10D far away of upstream, or 5D far away of upstream, at least 20D far away from the pump outlet (D is the inner diameter of the pipe)
Suit flow	Media	Single liquid can transmit sound wave, such as water, sewage, oil, chemicals, plant effluent, beverage, ultra-pure liquids, etc.
	Temperature	-30~160℃
	Turbidity	10000pm not so much baubles



	Flow speed	0~±10m/s
Environment	temperature	Host: -20~60°C; Sensor: -30~160°C
	Humidity	Host: 85%RH; Flow sensor: IP67
Power supply	3 built-in 1.2V capacity rechargeable Ni-MH battery 2000mAh, full of electricity sustainable work more than 12 hours, power adapter: AC90 ~260V, which can realize continuous measurement	
consumption	1.5W	
shell material	Inflaming retarding ABS	
Host part weight	390g	

Ordering information

