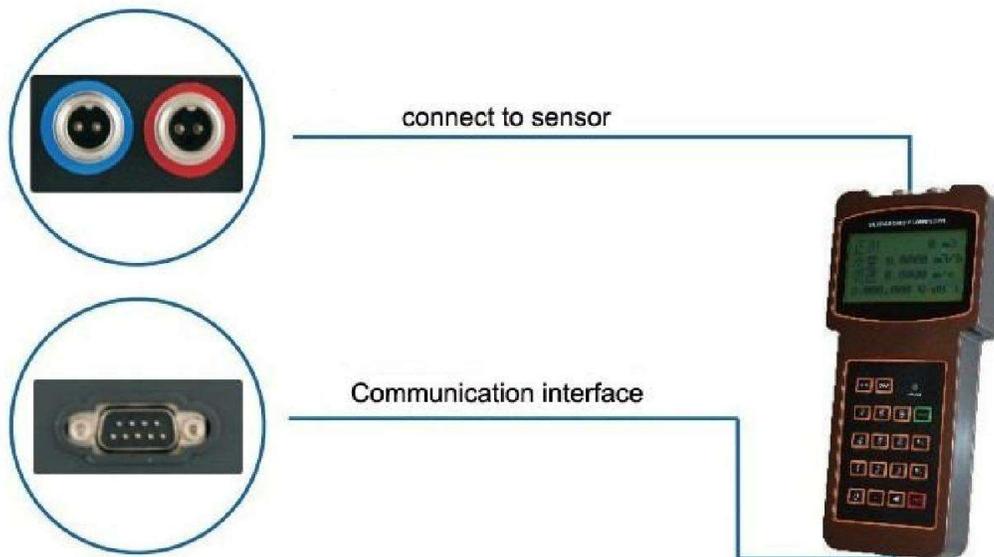


Handheld type Ultrasonic Flow meter

Type: HGLS-2000H



Main Features:

Features	Description
High Accuracy measuring	Accuracy: $\pm 1\%$, linearity: 0.5%, repeatability: 0.2%
Non-intrusive measuring	Non-intrusive, clamp-on transducer, no pressure drop, no pipe disturbance.
Wide measuring range	Several types transducer for selection, measuring pipe size from DN15mm to DN6000mm
Light weight	Size: 210×90×30mm, weight: only 0.5kg
Large capacity battery	Built-in rechargeable Ni-MH battery, provide over 12 hours of continuous operation
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

Standard configuration:

				
Main Unit	Medium transducer TM-1	Ultrasonic signal Cable	Power Cord	Carrying case
				
Stretcher	Tape ruler	Data line	User Manual	Ultrasonic coupling agent

Optional Transducer:

Transducer	code	Description	Temperature	Accuracy
	TS-2	Small size clamp-on type (Magnetic) for DN15~DN100mm	-30°C~90°C	±1%FS
	TM-1	Middle size clamp-on type (Magnetic) for DN50~DN700mm	-30°C~90°C	±1%FS
	TL-1	Large size clamp-on type (Magnetic) for DN300~DN6000mm	-30°C~90°C	±1%FS
	TS-2-HT	Small size High-temperature clamp-on type for DN15~DN100mm	-30°C~160°C	±1%FS
	TM-1-HT	Middle size High-temperature clamp-on type for DN50~DN700mm	-30°C~160°C	±1%FS

	TL-1-HT	Large size High-temperature clamp-on type for DN300~DN6000mm	-30°C~160°C	±1%FS
	HS	Standard small size bracket type transducer for DN15~DN100m	-30°C~90°C	±1%FS
	HM	Standard middle size bracket type transducer for DN50~DN300m	-30°C~90°C	±1%FS
	EB-1	Standard extended bracket type transducer for DN300 ~ DN700mm	-30°C~90°C	±1%FS
	HS-HT	High-temperature small size bracket type transducer for DN15~DN100m	-30°C~160°C	±1%FS
	HM-HT	High-temperature middle size bracket type transducer for DN50~DN300m	-30°C~160°C	±1%FS
	EB-1-HT	High-temperature extended bracket type transducer for DN300~DN700mm	-30°C~160°C	±1%FS

Other optional configuration:

		
Ultrasonic thickness meter	lengthen cable	Lengthen stretcher

Technical specification

Items		Specification
Main unit	Principle	Ultrasonic time-difference, 4 byte IEEE754 Floating point arithmetic
	Accuracy	Better than ±1%
	Display	4 x 16 dot matrix LCD with backlight, option language: Chinese, English and Italian
	Output	OCT pulse output (pulse width: 6 to 2000ms, default is 200ms)
	Communication	RS232 interface, connect to PC



	Net weight	390 g
Pipeline Condition	Pipeline material	Steel, stainless steel, Cast iron, copper, PVC, aluminum, glass fiber reinforced plastics, liner in pipe is also no problem
	Pipe size	15 to 6000mm
	Straight pipe	Installation position: Upstream 10D, downstream 5D, 30D from pump outlet
Fluid media	type	Water, sea water, waste water, Acid, alkali, Alcohol, beer, Single homogeneous liquid
	Temperature	-30 to 160 °C
	Turbidity	10000 ppm and fewer bubble
	Flow velocity	0 to ± 10 m/s
Environment	Temp.	Main unit: -20 to 60°C, Sensor: -30 to 160°C
	Humidity	Main unit: 85%RH, Sensor protection grade:IP67
Power supply		3 A built-in rechargeable Ni-MH batteries (can last working 12 hours after full charging). Meter can work continuously if using the power adapter of AC 90~260V
Consumption		1.5W
Housing material		Anti-flaming ABS
Signal Cable length		Standard configuration: 5m x 2, Extended: 10m x 2