

# Portable Ultrasonic Flow Meter

## ● Feature

- ✦ **High Accuracy** 1%
- ✦ **Wide measuring range** Several types transducer for selection , pipe size from DN15mm 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 32K data logger, store over 2000 lines measuring data



## CYUT-2000H

## ● Specifications


<b>Convertor</b>	Principle	Transit-time ultrasonic Flow meter
	Accuracy	Flow: $\pm 0.5 \sim 1\%$ ( battery-powered supply over $\pm 2\%$ ) , Repeatability: $\pm 0.2\%$
	Display	4 x 16 character LCD with backlight, support the language of Chinese, English and Italy
	Data Record	Mini thermal printer with 24 line character output
	Signal Output	1 x OCT pulse output ( Pulse width 6 ~ 1000 ms · default is 200 ms)
	Data interface	Insulate RS232 serial interface, upgrade the flowmeter software by computer
<b>Pipe Condition</b>	Pipe Material	Steel, Stainless steel, Cast iron, Copper, Cement pipe , PVC , Aluminum , Glass steel product , liner is allowed.
	Pipe Diameter	DN15 ~ 6000mm
	Straight length pipe	Transducer installation , Up-stream 10D, Down-stream 5D, 30D from the pump.
<b>Working Environment</b>	Temperature	Main Unit: -20 ~ 60°C
	Humidity	Main Unit: 85% RH ; Flow Transducer: IP67
<b>Power Supply</b>	3 AAA built-in Ni-MH batteries 1.2V (for over 12 hours of operation). 90V~260V AC adapter	

<b>Measuring Medium</b>	Type of Liquid	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, acids , etc.); Plant effluent ; Beverage , liquid food ;Ultra-pure liquids ;Solvents and other liquids
	Temperature	Standard Transducer: -30 ~ 90°C; High-temperature transducer: -30 ~ 140°C
	Turbidity	No more than 6000 ppm and less bubble
	Flow rate	0 ~ ±16 m/s
<b>Consumption</b>	1.5W	

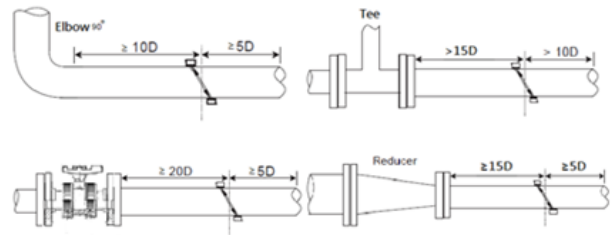
### ● Clamp-On Flow transducer

Picture	Model	Pipe Range	Temperature	Dimension
	TS-2	DN15 ~ 100mm	-30 ~ 60°C	45x25x28mm
	TM-1	DN50 ~ 500mm	-30 ~ 60°C	64x39x44mm
	TL-1	DN300 ~ 6000mm	-30 ~ 60°C	97x54x53mm
	HS	DN25 ~ 100mm	-30 ~ 60°C	318x59x85mm
	HM	DN50 ~ 300mm	-30 ~ 60°C	568x59x85mm
	TS-2-HT	DN15 ~ 100mm	-30 ~ 120°C	45x25x28mm
	TM-1-HT	DN50 ~ 500mm	-30~120°C	64x39x44mm
	TL-1-HT	DN300 ~ 6000mm	-30~120°C	97x54x53mm

### ● Optional accessories

Picture	Model	Item	Description
	WT-G	Thickness Gauge	To measure the pipe wall thickness and improve the measuring accuracy

### ● Installation



Setup type : Clamp on      Mounting bracket

<b>Clamp on</b>	Clamp on sensor with the magnet, you can install the transducer very easily.
<b>Mounting Bracket</b>	Fixtures and slides adopt aluminum material, light weight and rugged .The Metric/British scale can improve installation accuracy

### ● Standard configuration



Carrying case      Ultrasonic signal Cable      Power Cord



Stretcher      Tape ruler      Data line