

## Handheld Ultrasonic Flowmeter











Type : TUF-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:

		
Small size transducer TS-2(Magnetic) DN15 ~ DN100mm -40 ~ 110	Medium size transducer TM-1(Magnetic) DN50 ~ DN1000mm -40 ~ 110	Large size transducer TL-1(Magnetic) DN300 ~ DN6000mm -40 ~ 110
		
High-temperature small size transducer HTS-1 DN15 ~ DN100mm -40 ~ 160	High-temperature medium size transducer HTM-1 DN50 ~ DN1000mm -40 ~ 160	

## Other optional configuration

		
Ultrasonic thickness meter	lengthen cable	Lengthen stretcher

## General Specification:

Items	Specification
Linearity	0.5%
Repeatability	0.2%
Accuracy	Better than $\pm 1\%$ for velocity above 0.2m/s
Response Time	0-999 second, user-configurable
Flow Range	$\pm 32$ m/s
Measuring Pipe Size	15mm-6000mm
Units	English (U.S.) or metric
Totalizer	7-digit totalizer for net, positive and negative flow respectively
Liquid Types	Any single uniform liquid which can transmit ultrasonic
Security	Setup values Modification Lockout. Access code needs unlocking
Display	4 $\times$ 16 character
Communication Interface	RS-232 interface. 75-57600bps, compatible with Fuji ultrasonic flowmeter and other UFM on enquiry.
Transducers	Model M1 for standard, other 4 models for optional
Transducer Cable	Standard 5m x2 or can be extended to 10m x2
Power Supply	3 AAA built-in Ni-MH batteries (for over 12 hours of operation). 100V-240VAC adapter
Data Logger	Built-in data logger can store over 2000 lines of data
Manual Totalizer	7 digit, calibrating by key
Housing Material	Flaming retarding ABS
Size	210 $\times$ 90 $\times$ 30mm
Handset Weight	500g(1.2 lbs) with batteries