



PRODUCT OVERVIEW

FLOW MEASUREMENT

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UF2000H Handheld Ultrasonic Flow Meter

Product Introduction



UF2000H ultrasonic flow meters are manufactured with patent technologies and has been upgraded based on the previous version. The new version retains most of the excellent features and functions of the previous versions: the pulse measurement technology, the ultrasonic igniting and the small signal receiving circuits etc. The main improvements are made on the battery supply circuit and on the transmitting circuits. All other circuits are simply integrated into this new version without major modifications, due to the fact that we have already applied the most advanced measurement technologies and attained a more reliable model of ultrasonic flow meter.

UF2000H flow meter incorporates the latest ICs manufactured from the famous semiconductor manufacturers like Philips, Maxim, TI, Winbond, and Xilinx. The hardware features the ease of operation, high accuracy and outstanding reliability, while the software provides a very friendly user interface and much more functions. It employs a patent balanced lower voltage multi-pulse igniting circuit which increases the anti-interference ability magnificently so that the flow meter will work properly even in demanding industrial environments such as those with power frequency transverter working nearby.

Product Features

- ▷ Large-screen LCD
- ▷ Built-in data-logger
- ▷ High accuracy measuring
- ▷ Small and light
- ▷ Non-contacting measuring
- ▷ Built-in rechargeable battery
- ▷ Wide measuring range
- ▷ RS-232 serial interface

- ▷ English and Chinese software interface
- ▷ Built-in rechargeable Ni-H battery supports continuous work for more than 12 hours.
- ▷ Signal receiving circuits feature self-adapting performance so as to ensure that the user can easily operate the instrument without any adjustment

Technical Specification

Linearity	0.5%
Repeatability	0.2%
Accuracy	±1% of reading at rates>0.2 mps
Response Time	0-999 seconds, user-configurable
Velocity	±10 m/s
Pipe Size	25mm-6000mm
Totalizer	7-digit totals for net, positive and negative flow respectively
Liquid Types	Virtually all liquids
Security	Setup values Modification Lockout. Access code needs unlocking
Display	4x8 Chinese characters or 4x16 English letters
Communication Interface	RS-232, baud-rate: from 75 to 57600. Protocol made by the manufacturer and compatible with that of the FUJI ultrasonic flow meter. User protocols can be made on enquiry.
Transducer Cord Length	Standard 5m x 2, optional 10m x 2
Power Supply	3 AAA built-in Ni-H batteries. When fully recharged it will last over 12 hours of operation. 100V-240VAC for the charger
Data Logger	Built-in data logger can store over 2000 lines of data
Manual Totalizer	7-digit press-key-to-go totalizer for calibration
Housing Material	ABS
Case Size	210x90x30mm
Handset Weight	500g with batteries

Front View

