Tripple Option Trading 211 CC
6 Heron Road, Rant-en-Dal, 1739
Tel: (082) 8541001 Fax: (086) 5167896
Trip.op.trading@gmail.com
VAT No. 4160223584
Reg No. 2002/053292/23

Our experienced consultants will assist you in choosing the proper flow meter for your application. And they will be pleased to offer installation guidance to assure that the flowmeter selected will perform as accurately as possible. Additionally, they will stand ready to support you with any after-sale assistance that you may require.

Portable Ultrasonic Flowmeter

Ultrasonic Flowmeter is designed to measure the fluid velocity of liquid within a closed conduit. The transducers are a non-contacting, clamp-on type, which will provide benefits of non-fouling operation and easy installation.

Transit-time flowmeter utilizes two transducers that function as both ultrasonic transmitters and receivers. The transducers are clamped on the outside of a closed pipe at a specific distance from each other. The transducers can be mounted in V-method where the sound transverses the pipe twice, or W-method where the sound transverses the pipe four times, or in Z-method where the transducers are mounted on opposite sides of the pipe and the sound crosses the pipe once. This selection of the mounting method depends on pipe and liquid characteristics. The flow meter operates by alternately transmitting and receiving a frequency modulated burst of sound energy between the two transducers and measuring the transit time that it takes for sound to travel between the two transducers.

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other.

Portable ultrasonic flowmeter can be virtually applied to a wide range of measurements. A variety of liquid applications can be accommodated: ultra-pure liquids, potable water, chemicals, raw sewage, reclaimed water, cooling water, river water, plant effluent, etc. Because the instrument and transducers are non-contacting and have no moving parts, the flow meter can not be affected by system pressure, fouling or wear.

Outstanding features:
The signal receiving circuits feature self-adapting performance so as to ensure that the user can easily operate the instrument without any adjustment.

The built-in rechargeable Ni-H battery can work continuously for more than 12 hours without recharging.

Large-screen LCD Non-contacting measuring
Built-in data-logger Built-in rechargeable battery
High accuracy measuring Wide measuring range

Small and light RS-232 serial interface

Linearity	0.5%
Repeatability	0.2%
Accuracy	±1% of reading at rates>0.2 mps
Response Time	0-999 seconds, user-configurable
Velocity	±32 m/s
Pipe Size	DN32--DN1000mm
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

To ensure precise & accurate measurement, please provide as much information as possible about your application.
Please be sure to include the medium to be measured, the pipe diameter or schedule, the pressure, and the maximum flow rate.

Please contact us with all your application requirements.

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Tel: +27-82-8541001
Email: trip.op.trading@gmail.com