

Handheld Ultrasonic Liquid Flowmeter

This handheld ultrasonic flowmeter utilizes the transit-time method for non-invasive liquid flow measurement. Clamp-on transducers mount externally on pipes, measuring liquid and liquefied gas flow in fully filled pipes.



ADDITIONAL IMAGES



Overview

Versatile Non-Invasive Flow Measurement

This handheld ultrasonic flowmeter utilizes transit-time technology to provide accurate, non-invasive flow measurement without the need for pipe cutting or process interruption. Designed for portability and efficiency, it is an ideal tool for service maintenance, performance audits, and system commissioning across industries such as water treatment, petrochemical, and HVAC. The device features a robust, lightweight design with a long-lasting rechargeable battery, making it suitable for demanding field environments.

Performance

Flow Velocity Range

0.01 m/s

Min Velocity

12 m/s

Max Velocity

Accuracy

±1.0% of reading at rates >0.3 m/s; ±0.003 m/s at rates <0.3 m/s

Liquid Compatibility

Clean Liquids, Somewhat Dirty Liquids, Turbidity <10000ppm

Technical Specifications

Pipe Diameter Range

Transducer Type	Range (mm)
Type S	20-50
Type M	40-1000
Type L	1000-6000

Communication

- RS232
- RS485 (Modbus)
- OCT
- Relay

Operating Temperature

-35°C to +200°C

Physical Characteristics

Protection Rating

IP65

Dimensions

212 x 100 x 36 mm

Weight

0.5 kg

Power & Battery

Battery Life

14 h

AC Power Supply

85-265V

Applications

Supported Industries

- Water and Waste Water
- Petrochemical
- Chemical
- Refrigeration & HVAC
- Food, Beverage & Pharmaceutical
- Power Plants
- Metallurgy & Mining