ONICON F-4400 Series Ultrasonic Flow Meters utilize the differential transit time method to measure the velocity of relatively clean liquids in full pipes. By measuring the difference between transit times of ultrasonic sound waves travelling between two transducers, the flow velocity and direction are accurately determined.

DESCRIPTION

ONICON F-4400 Portable Clamp-on Ultrasonic Flow Meter is the ideal tool for testing and validating flow. The battery operated portable meter utilizes clamp-on transducers to measure flow through the pipe wall. It is designed for use with pipes ranging from 2” through 48” in diameter, and it works with most commonly used pipe materials. Programming is easy with the on-screen menu system. Just enter the pipe diameter, wall thickness and pipe material.

The F-4400 can be powered for up to 18 hours using the internal, rechargeable NiMH battery, or it can be operated continuously with the AC poser adapter.

Monitoring flow over time is made easy with the built-in data logger. The logger can capture up to 300,000 points with intervals ranging from 10 seconds to 5 minutes apart. Download data to your PC via USB. A 4-20 mA output is also available when operating from the AC power adapter.

APPLICATIONS

- Flow testing for closed loop HVAC chilled, hot and condenser water systems
- Temporary flow monitoring for domestic/municipal water
- Flow testing for process water & other clean liquids
- Baseline monitoring for project planning

FEATURES

Ideal for Monitoring & Testing - Clamp-on transducers allow for quick installation with no shutdown, no drilling and no pressure drop. Each meter is provided with a built-in data logger making it an ideal solution for monitoring flow over time.

Works with Common Pipe Materials -
The F-4400 is designed to work with many different pipe materials including carbon steel, stainless steel, copper, PVC, HDPE fiberglass.

Operates Over a Very Wide Flow Range -
The F-4400 is capable of measuring flow over a 400:1 turndown from less than 0.1 ft/sec to 39 ft/sec in velocity. This makes the F-4400 ideal for testing and monitoring many different flow applications, including leak testing.

Simple to Set Up and Use –
The F-4400 is easily configured through the handheld backlit display and 5-button keypad interface. Just enter the pipe material and OD, wall thickness and fluid type. The F-4400 will display the correct transducer separation distance.

Typical Installation

Each meter is provided with transducers, cables and mounting clamps and a watertight carrying case.
GENERAL SPECIFICATIONS

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