SHARK

Transit time flowmeter - wall mount (fixed) type

TTFM100 Series

Description

The Bintech Systems “Shark” measures flow rate by calculating the spreading time of an ultrasonic wave in a liquid. It calculates the difference in upstream and downstream sound speeds in a full pipe of liquid.

This flowmeter is used to measure the flow rate of a diverse range of fluids, ideally with low amounts of suspended solids and aeration.

Its unique installation makes this device suitable for measuring aggressive fluids (acids, solvents) or dirty fluids (oil and fuels).

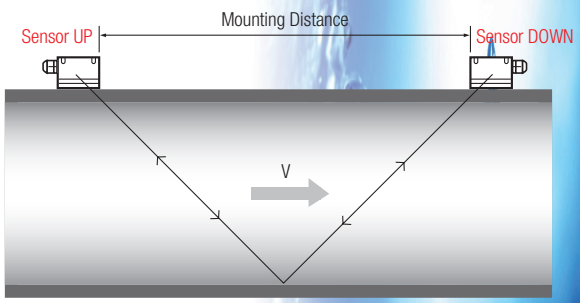
The measuring system is composed of one or more pairs of ultrasonic transducers, acoustically coupled to the external pipe wall (it is also possible to use transducers in direct contact with the fluid to be measured) and a host unit displaying the flow rate on its LCD screen.

The HOST unit has a DSP microprocessor which gives signals to interface with the process or the control systems.

Main Characteristics

The “Shark” is part of Bintech’s ultrasonic flow meter range that all possess high precision, high fidelity, high accuracy and high quality.
The main characteristics are:

- Clamp-on sensors: it is not necessary to stop the flow to install them. Insertion sensors are also available
- Only 3 pipe parameters are needed for accurate flow reading (outer diameter, wall thickness and pipe material)
- 0.5% linearity
- 0.2% repeatability
- 4 flow totalisers
- Power supply 24v VDC, 240v AC
- Ultrasonic transducers with low voltage supply, patented
- Able to store up to 2000 flow readings
- Analog (4-20 ma), pulses (relays), frequency (OCT) and RS232 outputs
- Data can be sent via RS232 to a PC or a custom data logger box



Typical Applications

The BFS “Shark” flowmeter has a huge range of measuring applications. Diameters range from DN20 up to DN6000 (between the 3 different sensor models).
Applications:

- Water treatment, slurry and process water pumping
- Oil and chemical industry
- Hydro-electric, cooling
- Food, paper and pharmaceutical industry
- Car industry
- Flow metering

Certified Quality Management System

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