

LEVIFLOW® Ultrasonic Technology
Clamp-On Flowmeter D-Series for Flexible Tubing



Clamp on Ultrasonic Flow Meter is famous for its unique non-invasive installation, which provides non-intrusive flow measurement for closed pipe.

Ultrasonic clamp-on flowmeters help achieve flexible flow measurement without direct fluid contact, simply by being “clamped” onto the outside of the pipe to measure liquid volume flow from external surface of closed pipe.

Clamp-on are used in almost all industries as a cost-effective alternative to in-line flowmeters.

LEVIFLOW Ultrasonic liquid flow meter 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.

The non-invasive sensor has no contact to the medium and is particularly suited for applications with strict hygienic standards.

The clamp-on mounting concept eliminates any risk of contamination or leaking.

A wide range of portable clamp on ultrasonic flow meters up to 160LPM for almost any liquid.

LEVIFLOW Ultrasonic clamp-on system allows accurate flow measurement from outside the pipe and without the need to interrupt the process.

The sensors are perfectly suited for the non-contact measurement of pure or slightly contaminated liquids, regardless of the pressure or electrical conductivity.

APPLICATION

- High purity liquid processes

- Monitoring of liquid consumption
- Debugging of fluid circuits
- Semiconductor, pharmaceutical and biotech processes
- Ideal solution for all applications e.g. surface cleaning, DI water, CMP, solvents, acids and chemicals
- Flow control in combination with Levitronix MagLev pump systems

SYSTEM BENEFITS

- No contamination due to non-invasive flow measurement
- No moving parts -> no particle generation
- Easy and repeatable mounting to PFA tubing
- Improved bubble robustness
- Flow control together with Levitronix MagLev Pumps
- Easy integration into OEM equipment
- Easy configurable flow sensor parameters (PC software)
- Low pressure loss
- Integrated and configurable totalizer function