



ExactSonic III

Portable Ultrasonic Flow Meter
for Liquids

Clamp On - Measure - Finished!

Principle of operation

Non-invasive transit time ultrasonic flow rate measurement.
See data sheet for further details.

Advantages

- exact measuring results in just a few minutes
- easy to use
- process/flow does not have to be discontinued
- no obstruction in the cross section and no pressure loss
- time and cost saving since no assembly needed

Applications

Flow rate measurement in liquid-filled ducts; HVAC systems; inspection of pumps and technical systems; boiler tests; leak detection; filter sizing; ultrapure water measurement, fire and hydraulic system testing

Application sectors

Water management, building services, energy management, power generation, chemical and pharmaceutical, food technology, petrochemical

Measuring mediums

Demineralised water, drinking water, river water, water-glycol mixtures, hydraulic oil, diesel and fuel oils, petroleum products

Technical data

- flow velocity range 0.2 ... 20 m/s
- +/- flow direction sensing
- measurement uncertainty:
 - pipe OD > 75 mm: $\pm 0.5\% - 2\%$ v.M. for $v > 0.2$ m/s
 - pipe OD 13-75 mm: $\pm 3\%$ of meas. value for $v > 0.2$ m/s
- menu-oriented operation
- 64 x 240 pixels graphic display, backlighted
- programming via 16 key control panel
- battery and mains operation
- battery life up to 14 hours
- power supply 110 ... 240 VAC +/- 10 %
- 9 user selectable languages: English, German, French, Spanish, Portuguese, Russian
- incl. two sensor pairs 'A' & 'B':
 - pair 'A' for pipe OD 13 ... 115 mm
 - pair 'B' for pipe OD 50 ... 2000 mm
- sensor working temperature range: -20 ... +135 °C
- outputs 0/4-20/24 mA, RS232/USB, opto isolated, pulse output 5V, max. 1 pulse/s
- data logging: 8GB (>100,000,000 data points), data displayed locally as text or graph format, can be downloaded via USB port to Windows based PC
- delivery with robust IP67 carrying case



Display Unit ExactSonic III



Sensor rail assembly



Scope of delivery with IP67 carrying case

Do you want to know more? Then contact us for further information such as data sheets or specifications.

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