SONOFLOW CO.55 | CLAMP-ON SENSOR

for contactless flow metering in flexible tubes

PRODUCT BENEFITS

Highly Accurate
Non-Invasive Measurement
No Interference with the Liquid
Quick Measurement of Pulsating and Bi-Directional Flow
Great Features for Volume Dosing
Built-In Electronics, No External Electronic Board Required

Get a Quote
SONOFLOW CO.55 CLAMP-ON SENSOR - NON-INVASIVE FLOW SENSOR FOR LIQUIDS

The ultrasonic flow sensor SONOFLOW CO detects the flow rate of liquids in plastic tubes quickly and reliably. 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.

Besides multiple off-the-shelf standard sizes, different housing materials, such as aluminum, stainless steel or plastics, are also available.

The contactless flow sensor SONOFLOW CO combines precise measuring performance and high quality with a unique compact and cost efficient sensor concept.

SUITABLE FOR MOST TYPES AND SIZES OF PLASTIC TUBING AVAILABLE ON THE MARKET

- Multiple off-the-shelf standard sizes for various tubing dimensions
- Sensor solutions for tubing materials, such as PVC, silicone, PFA, PTFE, etc.

SIGNAL PROCESSING

- Complete electronic signal processing unit integrated into the sensor body
- No external electronics board or display required
- Configurable current, frequency or pulse output

SYSTEM INTEGRATION

- Easy to integrate into existing systems via RS485 interface
- Advanced software tool for parameterization and calibration
- Convenient readout of measuring values

CONFIGURATION

- Parameter settings can be adapted regarding individual tube sizes and materials, fluids, flow ranges and temperature

CUSTOMIZATION

- In addition to our standard products, SONOTEC also manufactures customer-specific solutions

**Technical Data**

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<tr>
<th>MEASUREMENT PRINCIPLE</th>
<th>Ultrasound</th>
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<tr>
<td>MEASUREMENT METHOD</td>
<td>Flow Measurement with Transit Time Principle</td>
</tr>
<tr>
<td>CHANNEL WIDTH</td>
<td>3.5 mm to 34 mm</td>
</tr>
<tr>
<td>OUTER DIAMETER - TUBE</td>
<td>4 mm to 35 mm</td>
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<tr>
<td>MATERIAL - TUBE</td>
<td>PVC, Silikon, PTFE, PFA, FEP, TPE, Tygon, PE, etc.</td>
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<tr>
<td>MATERIAL SENSOR</td>
<td>Aluminum, Stainlesse Steel, Plastics</td>
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<tr>
<td>OPTIONS</td>
<td>Display, Inlay, Handle</td>
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360° Product View

Downloads

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INFOGUIDE | BASIC KNOWLEDGE ULTRASOUND

Transit Time Method
...engineering and physical principles of non-invasive SONOFLOW sensors

APPLICATIONS

- Heart-Lung Machines
- Organ Transport Systems
- Dialysis Machines
- Chemical Spray Systems
- Slurry Lines
- Dosing Systems
- Bioprocessing
- Pump Protection
- Vaccine Manufacturing
- Lab Use

DO YOU HAVE ANY QUESTIONS?
Then contact us! We're here to help.

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