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
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

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**Technical Data**

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<th><strong>MEASUREMENT PRINCIPLE</strong></th>
<th>Ultrasound</th>
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<td><strong>MEASUREMENT METHOD</strong></td>
<td>Flow Measurement with Transit Time Principle</td>
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<tr>
<td><strong>CHANNEL WIDTH</strong></td>
<td>3.5 mm to 34 mm</td>
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OUTER DIAMETER - TUBE  
4 mm to 35 mm

MATERIAL - TUBE  
PVC, Silikon, PTFE, PFA, FEP, TPE, Tygon, PE, etc.

MATERIAL SENSOR  
Aluminum, Stainlesse Steel, Plastics

OPTIONS  
Display, Inlay, Handle

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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