SONOFLOW CO.55 | SEMIFLOW CO.65 | CLAMP-ON SENSOR

for contactless flow metering on 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.

THE SONOFLOW PRINCIPLE - SMART SENSORING THE WAY YOU REALLY NEED IT!

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
- Optional SONOFLOW | C³ Software to provide user-friendly sensor operation and adjustment features

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
SEMIFLOW CO.65 - SENSORS IN THE SEMIFLOW SERIES ARE SPECIFICALLY DESIGNED FOR APPLICATIONS IN THE SEMICONDUCTOR INDUSTRY AND ARE CHARACTERIZED BY A NUMBER OF ESSENTIAL FEATURES

- Highly precise and contact-free measurement
- 8 sensor sizes (¼", 3/8", ½", (¾"), 1", 1 ¼", 40A, 50A OD) for a wide range of tube sizes
- Version for the application in hazardous environments (Ex Zone 1)
- Plastic housing (PVCC) and plastic connector (PA)
- Screwed lid and flexible inlay for an optimal coupling between tube and transducer
- No external electronics for a compact design and simple handling
- Customer calibration for different flow rates

**Technical Data**

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<tr>
<th><strong>MEASUREMENT PRINCIPLE</strong></th>
<th>Ultrasound</th>
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<tr>
<td><strong>MEASUREMENT METHOD</strong></td>
<td>Flow Measurement with Transit Time Principle</td>
</tr>
<tr>
<td>CHANNEL WIDTH</td>
<td>3.5 mm to 34 mm</td>
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<td>---------------------</td>
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<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, Stainless Steel, Plastics</td>
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<tr>
<td>OPTIONS</td>
<td>Display, Inlay, Handle</td>
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**360° Product View**

360° 360°
open 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

FOLLOW US
DO YOU HAVE ANY QUESTIONS?

Then contact us! We're here to help.

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