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

---

**Technical Data**

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

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

### MATERIAL SENSOR
Aluminum, Stainless Steel, Plastics

### OPTIONS
Display, Inlay, Handle

---

**360° Product View**

---

**Downloads**

<table>
<thead>
<tr>
<th>Type</th>
<th>Title</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>📄</td>
<td>Flyer ultrasonic sensors for bioprocess &amp; pharmaceutical applications</td>
<td>1.03 MB</td>
</tr>
<tr>
<td>📄</td>
<td>Flyer SONOFLOW CO.55 V2.0</td>
<td>218 KB</td>
</tr>
<tr>
<td>📄</td>
<td>Data Sheet SONOFLOW CO.55 V2.0</td>
<td>659 KB</td>
</tr>
</tbody>
</table>
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

WORLDWIDE
Do you have any questions?

Melissa Öser  
+49 (0)345 / 133 17-840  
m.oeser@sonotec.de