

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

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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

MEASUREMENT PRINCIPLE	Ultrasound
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MEASUREMENT METHOD	Flow Measurement with Transit Time Principle
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CHANNEL WIDTH	3.5 mm to 34 mm
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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



360° 360°

[open 360° product view](#)

Downloads

Type	Title	Size
	Flyer ultrasonic sensors for bioprocess & pharmaceutical applications	1.03 MB
	Flyer SONOFLOW CO.55 V2.0	218 KB
	Data Sheet SONOFLOW CO.55 V2.0	659 KB



Data Sheet SONOFLOW CO.55 V2.0 with Stainless Steel Housing and Display

780 KB



Data Sheet SEMIFLOW CO.65

2.35 MB

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?

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