

# NON-INVASIVE FLOW MEASUREMENT

USING ULTRASOUND



**SONOFLOW CO.55**

**SONOTECH** 

CONTACTLESS  
ON THE TUBE  
WEAR-FREE  
NO COUPLING MEDIUM

# SONOFLOW CO.55

for medium contactless

flow measurement



The compact ultrasonic flow sensor SONOFLOW CO.55 quickly detects the flow rate of liquids in flexible tubes.

Due to its construction the clamp-on sensor is particularly suitable for applications in fields with strict hygienic standards. The tube is easily put into the sensor and enables a smooth and uncomplicated change.

The SONOFLOW CO.55 is constructed as a built-in component for machines and apparatus. The electrical integration into the control system can be carried out easily. The sensor has got a configurable current or pulse output. The service interface allows an easy parameterization, calibration and readout of measuring values. This method can be adapted to individual tube sizes as well as other specifications, such as different voltages, switching outputs or material characteristics.

## Advantages

- Non-invasive measurement
- No coupling medium required
- Compact construction
- Quick measurement without any time lag
- No wear and tear
- No dead volume

## Applications

- Medical technology
- Pharmaceutical industry
- Chemical industry
- Food industry

SONOTEC preserves the right to change technical specifications without further notice. (Rev. 01/20110909)

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## Technical Data SONOFLOW CO.55

Measuring method	Ultrasound
Measuring cycle	20 ms
Mounting	Freely suspended on the tube or fixed installation
Output	Configurable as current or pulse output
Operating voltage	12 ... 30 V DC, Maximum ripple 10 %, Protection against reverse-polarity
Current consumption	80 mA maximum, typical 40 ... 50 mA at 18 ... 24 V (with open power output)
Electrical connection	5-pin, M12 connector, DIN EN 175301-803
Media temperature Ambient temperature Storage temperature	0 ... +60 °C 0 ... +40 °C -20 ... +70 °C
Protection	IP65
Accessories	SONOFLOW Monitor for parameterization and diagnosis
Directives, Standards, CE	EMV: EN 61326-1:2006

**We offer the SONOFLOW CO.55 in different specifications:**

	CO.55/120	CO.55/060	CO.55/035
Inner diameter of the tube	9.5 mm (3/8")	4.2 mm	3.0 mm
Wall thickness of the tube	2.4 mm (3/32")	1.3 mm	0.6 mm
Measuring range	12 000 ml/min	6 000 ml/min	3 000 ml/min
Dimensions LxWxH	44x44x36 mm	44x44x32 mm	44x44x28 mm

**Other specifications available on request.**

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