

SONOFLOW IL.52 | INLINE-SENSOR

for precise measurement of low volume flow rates in pipes and tubes

PRODUCT BENEFITS

Quick measurement without any time lag

Measurement of intermittent flows feasible

Widely independent of colour and electromagnetic characteristics of the liquid

No wear and tear

User defined position of the sensor

Sterilizable

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SONOFLOW IL.52 INLINE SENSOR – HIGHLY ACCURATE ULTRA-LOW FLOW SENSOR FOR FLOWS AS LOW AS 0.4 ML/MIN

SONOFLOW IL.52 sensors are designed for precise measurement of ultra-low flow rates - performing fast and bidirectional. Due to its instantaneous measuring method with high repetition rates, the SONOFLOW IL.52 is suitable for quick dosing processes and for measuring pulsating flows.

- Real-time flow measurement

- Volume Dosing / Totalizer

- Flow Switch for controlling external devices

ROBUST & MAINTENANCE-FREE SENSOR DESIGN

Since the sensor is integrated into devices or machines and comes into direct contact with the medium, product contacted components are exclusively made of high-grade PEEK material. Thus, the in-line sensor is ready for sterilization-in-place (SIP), clean-in-place (CIP), and autoclave applications. In addition, the robust sensor design impresses with its high temperature resistance without affecting measurements negatively. The sensor is wear- and maintenance-free and can be fitted in any position.

SONOFLOW IL.52 WITH EXCELLENT MEASURING PERFORMANCE

The SONOFLOW IL.52 monitors ultra-low flows reliably without being affected by the color and electromagnetic characteristics of the liquid itself:

- Reliable measuring of flows as low as 0.4 ml/min,

- Highly accurate (with an error of +/- 1%) and

- Precise (with a repeatability of +/- 1%).

EASY DATA EVALUATION AND PROCESS INTEGRATION

A serial interface allows an easy connection to a PLC or computer. Using the optional USB data converter and **SONOFLOW Monitor Software** tool allows an easy sensor parameterization & calibration, and readout of measuring values. It is also possible to connect the sensor to the **SONOFLOW RD.10 Remote Display** for direct real-time monitoring.




- Serial interface with RS485 modbus protocol

- Freely configurable 0/4-20 mA current output

- Freely configurable 0-20 kHz frequency output

- Freely configurable impulse output

Downloads

| Type | Title | Size |
|---|---|---------|
|  | Flyer ultrasonic sensors for bioprocess & pharmaceutical applications | 1.03 MB |
|  | Flyer SONOFLOW IL.52 V2.0 | 266 KB |
|  | Data Sheet SONOFLOW IL.52 V 2.0 | 421 KB |

APPLICATIONS

Pharmaceutical industry
Chemical industry
Food industry
Medical technology
Dosing systems
Analysis technology

WORLDWIDE



Do you have any questions?

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