

Ultrasonic Flow Meter

FFU



Features:

- Flow sensor for conductive and non-conductive liquids
- Compact design with no moving parts
- Process temperature up to 80°C, process pressure up to 16 bar
- High chemical resistance due to seal-free sensor design
- Large display with membrane keyboard
- Integrated empty tube detection



Description:

The non-contact FFU ultrasonic flowmeter detects the flow volume of conductive and non-conductive liquids. Swimming against the current requires more strength than with the current – this is the simple fact on which ultrasonic flow measurement according to the phase difference process is based.

Its compact design enables the device to be used in a wide range of applications, including those with limited space. This sensor with an enclosure rating of IP67 features a seal-free sensor design with high-quality polysulfone (Ultrason S), which not only makes it possible to use the device in harsh ambient conditions, but also ensures high process reliability. The large cleartext display also helps provide simple, fast, and hassle-free commissioning.

Applications:

- Flow measurement in cooling circuits
- Flow monitoring in rinsing circuits with demineralized water
- Flow control in rinsing systems
- Use in CIP systems

Technical Data Overview

Measurement principle	Ultrasonic sensor
Medium	Fluids
Output signal	Analog output 4 mA ... 20 mA, 0 mA ... 20 mA current flow and temperature1 pulse/status output PNP/NPN-transistor output for flow rate meter, empty pipe detection, flow monitoring, dosing output, flow direction (dependent on type) ¹⁾ Analog output 4 mA ... 20 mA, 0 mA ... 20 mA current flow and temperature2 pulse/status output PNP/NPN-transistor output for flow rate meter, empty pipe detection, flow monitoring1 switching input for dosing and counter reset ¹⁾
Nominal width measuring tube	DN 10 DN 15 DN 20 DN 25
Maximum adjustable measuring range	0 l/min ... 240 l/min

General Note

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