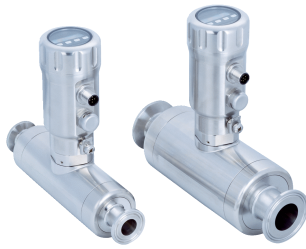




The compact stainless-steel sensor for flexible flow measurement

FLOW SENSORS

SICK
Sensor Intelligence.



Technical data overview

Measurement principle	Ultrasonic sensor
Medium	Conductive and non-conductive liquids
Output signal	1 x analog output: 4 mA ... 20 mA, 2 x digital input or output (configurable), 2 x analog output: 4 mA ... 20 mA, 2 x digital input or output (configurable) ^{1) 2)}
Nominal width measuring tube	DN 15 / DN 25
Maximum adjustable measuring range	0 l/min ... 250 l/min
Gas temperature	0 °C ... +95 °C
Operating pressure	-0.5 bar ... 16 bar
IO-Link	
Type of fieldbus integration	V1.1

¹⁾ Digital output configuration: PNP/NPN/push-pull/open collector.

²⁾ Selectable analog output: flow/temperature.

Product description

The non-contact DOSIC® flowmeter detects the flow volume of conductive and non-conductive liquids based on ultrasonic technology. With its measurement channel and stainless-steel housing, the ultrasonic flowmeter is suitable for measuring tasks in hygienic environments. The compact and rugged design offers a wide variety of application possibilities, including in those where space restrictions or aggressive media play a role. Installation is quick and easy, and does not require medium calibration. The seal-free, self-draining measuring tube enhances process reliability. Up to two configurable digital and analog outputs as well as the IO-Link interface ensure the right initial situation. The DOSIC® is EHEDG-certified and FDA-compliant.

At a glance

- Flow measurement for water and oil-based liquids
- Seal-free stainless-steel 316L sensor with $Ra \leq 0.8$
- Straight, self-draining measuring tube
- Compact design with short installation lengths
- Configurable digital outputs
- Temperature measurement
- IP 67/69 enclosure rating, CIP/SIP-compatible, IO-Link version 1.1

Your benefits

- Flexible measurement system for all industries and liquids
- Versatile use for conductive and non-conductive liquids and temperature measurement
- Short installation lengths and a compact design enable installation in applications with limited space
- Food-safe thanks to rust-free stainless steel and hygienic design
- Quick installation without medium calibration
- User-friendly application thanks to rotatable housing and display
- Straight measuring tube reduces pressure loss, thus reducing energy costs

Fields of application

- Flow measurement in the food and beverage industry
- Use in CIP systems
- Flow monitoring in rinsing circuits with demineralized water
- Flow measurement in cooling circuits
- Monitoring the flow rate in dairies and measuring systems

Ordering information

Other models and accessories → www.sick.com/

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com