

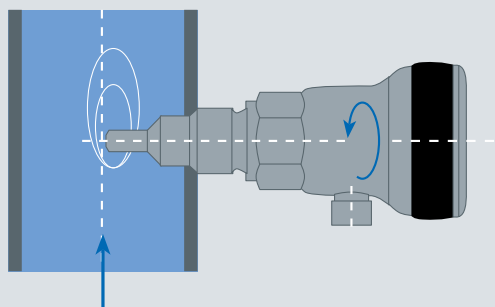
The calorimetric measuring principle.

No moving parts - no wear.

A pressure-proof and hermetically sealed stainless-steel probe is submersed in the liquid. The probe does not have any moving parts, which makes it practically wear-free. Measurement with two temperature sensors offers the advantage that the measurement is interruption-free and thus can be conducted very quickly.

By regulating the heat output, unlike methods without regulation, the thermal energy supplied to the liquid is minimised so that no relevant heating of the medium to be measured takes place, even when flow speeds are low.

Arrangement principle of the sensor elements



Heat extraction by the flow



Contact information.

Our customer service.

We would be glad to assist you with any questions about our OMNIPLUS-F and industrial sensors our contact service will help you personally.

We look forward to your enquiry

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OMNIPLUS-F.

Thermal flow measurement.

INDUSTRIAL SENSORS
FLOW SENSORS



OMNIPLUS

IO-Link



Comfortable operation through the multifunction ring.

The OMNIPLUS-F can be fully parameterised with the aid of its multifunction ring. The ring can be rotated and moved in the axial direction.



Button function with axial shifting of the ring

The all-rounder with a bonus.

Fast, reliable and versatile.

The OMNIPLUS-F is one of the fastest and most versatile calorimetric sensors on the market. Based on the measuring principle, the OMNIPLUS-F measures the flow speed at a single point. It provides extremely reliable results and is ideally suited for minimum amount monitoring or recognition of setpoint deviations.

The OMNIPLUS-F also offers a volume meter that counts the volumetric flow. All measurement variables are shown on a large and clear display and can be flexibly assigned to the analogue and digital outputs. The settings required for this purpose can be made directly on the device, comfortably and intuitively with the unique multifunction ring. The integrated IO-Link makes the OMNIPLUS-F fit for the digital future.

The OMNIPLUS-F is on the lookout.

Safety with plant monitoring.

Thanks to its stable installation situation, a thermal sensor delivers reproducible results, which are of great importance in many applications. Thus, together with the increased sensitivity in the lower speed range, the OMNIPLUS-F is ideally suited for minimum amount monitoring or recognition of setpoint deviations. The wear-free measuring principle makes the OMNIPLUS-F practically maintenance-free. Because there are no moving parts, nothing can jam or become blocked, either. As long as the probe tip is not heavily contaminated, it will detect the flow reliably. Even soiling of the sensor does not lead to damage to the system or to direct system shutdowns.

Typical applications include cooling and lubrication circuits as well as pump protection to prevent dry running. Here it is important to ensure the perfect function of the system with high reliability, as otherwise expensive damage can occur.

Vorteile

- Three measurement variables in a single device
- Reliability with the wear-free measuring principle
- Quick measurement with a special sensor arrangement and software
- Fit for the digital future with IO-Link
- Easy-to-read display
- Multifunction ring for comfortable parameterisation
- Intuitive operation thanks to plain text messages
- Analogue and digital outputs, configurable for every application purpose
- By controlling the heating power, no heating of the medium takes place