Flow sensors
For OEM applications

Quality by tradition
SIKA has been your reliable partner for measuring and monitoring flow sensors for over 45 years. Our constant drive to innovate enables you to access a comprehensive product portfolio covering 10 different measuring principles. As a manufacturer of metrological components that are "Made in Germany", we have carved out a reputation, particularly in the areas of customised potable water, heating water, chiller and pool applications.

SIKA provides the best possible co-engineering service, at the end of which you receive a high-grade result both in terms of quality and economics. As an original equipment manufacturer (OEM), we focus on individual solutions that fit seamlessly into our customers’ existing process structures. Evidence of this can be seen for instance in the long-standing, successful cooperation with global market leaders in the heating appliance sector. For example, we have helped many manufacturers of heat pumps worldwide to meet annual requirements of about 90,000 units.

The cooperative process at our company is built around our ultra-modern flowlabs. With the help of these test facilities, which we have developed and optimised over the years, we can adapt our products to customer-specific installation requirements. In this way, we can respond immediately to any anomalies that arise.

In the final stage of mass production, our sensors undergo complete inspection and 100 % testing. For our vortex flow sensors, this includes calibration with up to six test points in addition to an automated function test.

Why not profit from our expertise in developing and optimising our metrological solutions and our high standards in quality assurance? Choose flow sensors from SIKA.
Heating water applications

Flow switches

- Reliable pump monitoring
- For soldering into existing copper pipes or with a pipe tee
- Special protection against contamination
- Customised set point
- Glass-fibre reinforced plastics
- Used in market-leading heating appliances

Vortex flow sensors

- For energy balancing and pump control
- Sensor element encapsulated entirely in plastic
- Insensitive to pressure peaks during filling
- Integrated temperature sensor
- Threaded connection or QuickFasten
- Digital or analogue output signal
- Customised setup by parameters
Potable water applications

Flow switches
- Tap water detection even at low flow rates
- Pipe tees with threaded or soldering ends
- Push-in installation into manifolds or armatures
- More than three million devices in the field
- Potable water certification

Turbine flow sensors
- Tap water measurement for potable water heating
- Turbine body made of brass or glass-fibre reinforced plastic
- Durable thanks to high-grade sapphire bearings
- Insensitive to pressure surges
- Practically independent of inflow section and installation position
- Flow meters without moving parts
- Various filters for signal optimisation
- Numerous tests - overload, rust, limestone, breakdown
- WRAS potable water certification
- Ideal when using high-efficiency pumps

- Simple integration into valves
- Comprises
  - Push-in turbine
  - Hall-effect sensor
  - Adapter sleeve for hall effect sensor
- Separation of hydraulic and electrical components
- For water treatment equipment
- Measures lowest flow rates/leak detection
Pool applications

- Pump monitoring
- For pool heaters or water disinfection
- Protection against overheating, dry-running and gas formation
- Installation with union nut or push-in
- Paddle reset with magnetic force

- More than 1,000,000 switching cycles (load-dependent)
- Low pressure drop
- Metal-free for seawater pools
- Proven in the market leader’s pool heaters
Chiller applications

**Flow switches**
- Installation into existing pipes
- Threaded, welding or soldering adapter
- Union nut connection for simple installation
- Various plug connectors or connection cables
- TÜV type approved
- No springs, no bellows

**Magnetic-inductive flow sensors**
- For determining the energy balance
- Measurement signal independent of viscosity changes
- Free pipe cross section, no moving or protruding parts
- No additional pressure drop
- Analogue and digital outputs
Mechanical Measuring Instruments

Flow Measuring Instruments

Electronic Measuring & Calibration Instruments