

Product overview

SIKA measuring instruments and calibration equipment



Our company



SIKA Dr. Siebert und Kühn GmbH & Co. KG
Corporate Headquarters

Location: Kaufungen, Germany

340 employees in production, research and development, quality assurance, sales and administration

As an internationally oriented family-managed company, for four generations SIKA has stood for reliable and precise measurement, control and calibration technology.

QUALITY At our Kaufungen headquarters in the heart of Germany, our 340 employees have been developing and producing high quality and durable products “Made in Germany” since 1901. In our own accredited calibration laboratory for temperature, pressure and electrical measurable variables, we ensure that your equipment continues to work precisely and reliably at all times, even after years of use.

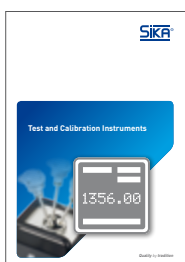
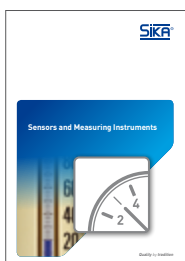
COMPETENCE From industrial thermometers to reference-temperature sensors, from flow switches to magnetic inductive flow sensors and from sensors to calibrators – we have the right product. SIKA products combine more than four generations of expertise and comprehensive insight into the market with the latest technology and innovative solutions.

CUSTOMER PROXIMITY We serve our customers around the world with a global network of subsidiaries and sales partners. Our technical consultants competently recommend the most suitable product from our extensive range while also keeping costs in mind. Alternatively, we can also develop the solution that best fits your task.

SIKA – Quality by tradition

Our product ranges

UPDATES ONLINE
EVERY 4 MONTHS



Find all products and catalogue updates
on catalogues.sika.net

Sensors and Measuring Instruments


Alongside standard industrial thermometers – which we invented over 75 years ago and which are still the benchmark for quality on the market – the measurement and sensor technology segment includes a wide spectrum of mechanical, digital and mechatronic thermometers, manometers and temperature and pressure sensors.

We are your reliable partner for special applications and solutions that are specifically matched to your metrological tasks. The development and production of our products reflect high standards and „Made in Germany“ quality.




Industrial thermometers

- Case sizes in 200, 150 and 110 mm
- Straight, 90°/135° angle type and custom variants
- Various scale ranges from -60...40 °C to 0...600 °C



KombiTemp®

- Combination of electrical sensor and local display
- Measuring ranges from -30 to 200 °C
- Easy to read display of current reading



Dial thermometers

- Various scale ranges from -40...40 °C to 50...650 °C
- Nominal sizes: 63 to 160 mm
- Gas-filled or bi-metal version
- Optional switch contact



Mechanical pressure gauges

- Pressure measurement of liquid and gaseous media
- Nominal sizes: 63 to 250 mm
- 0...2.5 mbar to 0...4000 bar
- Extensive range of accessories
- Safety versions



Digital precision pressure gauges

- Display range -1...2500 bar
- Selectable units: bar, mbar, hPa, kPa, MPa, PSI, mmHg, inHg, cmH2O, mH2O, inH2O, kg/cm² and °C, °F
- Accuracy (full scale) up to 0.01 %



Pressure sensors

- For liquids and gases
- Pressure ranges: 0...600 bar
- Easy installation and high stability
- For absolute, relative or differential pressure



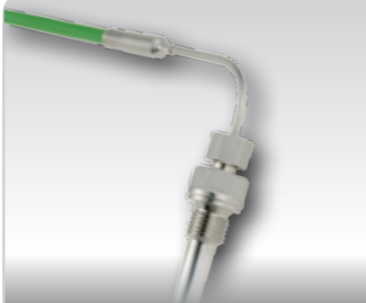
ModulSensors

- Temperature, pressure, level, flow and humidity
- Limit switch, transmitter, full version with display or wireless-transmitter
- 4...20 mA HART



Digital thermometers

- Accurate and robust
- With solar cell (min. light level 80 lux) or lithium battery, depending on model
- Scale ranges -40...650 °C



Temperature sensors

- Various temperature ranges up to 1500 °C
- With resistance thermometers or thermocouples compliant with DIN standards or customer preference



Protection tubes for thermometers

- For screw fitting or weld fitting of thermometers with external thread or a union nut
- Wide range of materials
- Accessories: neck tube, screw plug, double threaded adapter



Accessories for pressure gauges

- For all mechanical and electronic pressure gauges
- Water siphons, pipe connectors, stop valves and stop cocks
- Wall brackets, throttle devices, connecting pieces, washers, etc.

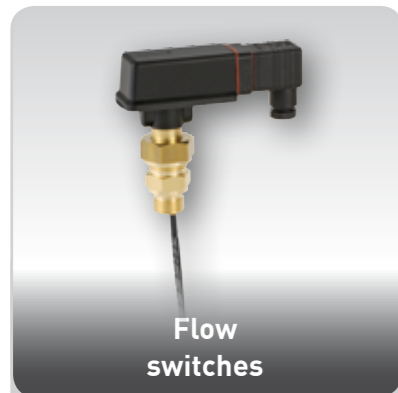
Flow Measuring Instruments

SIKA has been developing and manufacturing sensors for flow measurement and flow monitoring for more than 45 years. From paddle flow switches and turbine flow sensors to contactless flow measurement with MID or based on the vortex principle – we have the ideal device for your application.

For individual solutions – tailor-made to specific customer measurement tasks – we carry ten different functional principles in our sensor line. The great number of different measuring principles paired with many years of experience makes us a strong partner for your application.



SIKA®



Flow switches

- Inline types DN 8...DN 50 or insertion types up to DN 200
- Magnetic force instead of springs, long term stable setpoints
- OEM versions



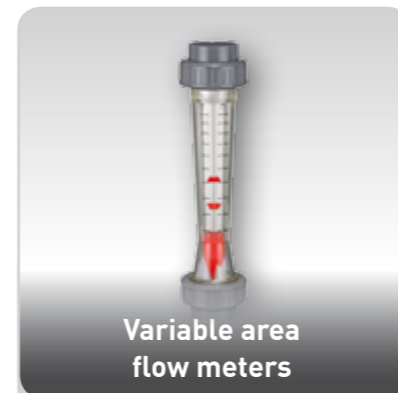
Vortex flow sensors

- Fully encapsulated piezo ceramic pickup sensor
- Sizes DN 15, 20 and 25
- Integrated temperature sensor
- Thread connection or QuickFasten



Magnetic inductive flow sensors

- Plastic version DN 3...DN 25 for OEM applications
- Metal version DN 7...DN 20 for plant and machinery
- Flanged version DN 15...DN 200



Variable area flow meters

- Liquid or gaseous media
- Sizes DN 10...DN 65
- Flow ranges 1.5...60 000 l/h and 0.01...2274 m³/h (STP)
- Various material and limit switch configurations available



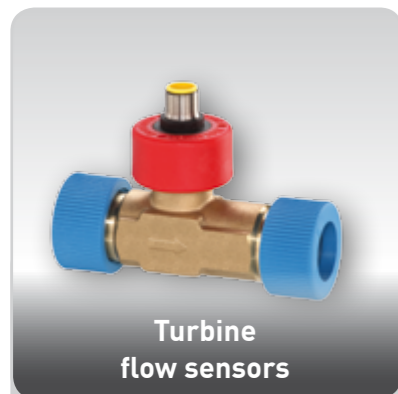
Electronic flow monitors

- Insertion installation into pipes DN 15...DN 150
- No moving parts
- Set point adjustment by potentiometer
- Compact or separate version



Piston type flow switches

- Various fitting positions
- Sizes DN 08 bis DN 80
- Flow ranges 0.5...550 l/min
- Wide set point ranges
- Special version for oil available



Turbine flow sensors

- For water and other low viscous liquids
- Plastic, brass, st. steel, DN 10...DN 300
- Push-in cartridges for armatures and manifolds
- OEM versions



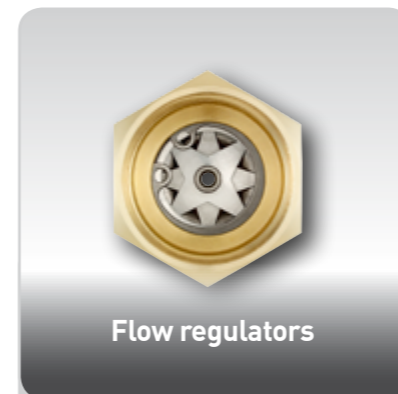
Positive displacement flow sensors

- For oil and other viscous liquids
- High resolution, excellent accuracy from 0.008 l/min
- Cast iron, st. steel and aluminum versions



Oval wheel flow sensors

- Positive displacement flow meters
- No inlet/outlet diameter requirements
- Long term stable
- Low pressure drop



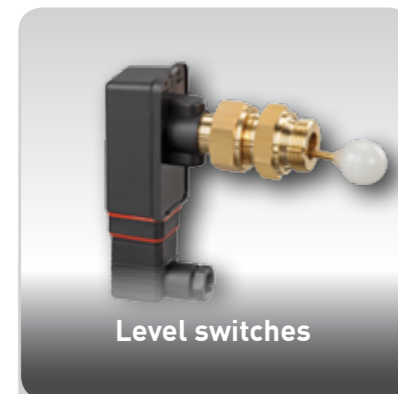
Flow regulators

- Constant flow rates at fluctuating pressure
- No external power necessary
- DN 15 and DN 20
- Max. media temperature up to 200 °C



Displays and transducers

- Digital indicators for both flow rate and total flow
- Both panel mount and local displays
- Transducers and frequency dividers



Level switches

- Lateral installation
- For water, oil and other media
- Medium temperatures up to 110 °C
- Plastic, brass and st. steel versions

Test and Calibration Instruments

Reliable, long-term measurement technology, innovative calibration technology and a comprehensive range of services provided by our own DAkkS (national accreditation body) laboratory for temperature, pressure and electrical standard signals are what set our test and calibration technology product range apart.

The field-tested components for the measurement and control technology help our customers to secure the long-term, uniform quality of their products and to ensure the efficiency of their production processes. Our strength is the flexibility to provide customised solutions based on our wealth of experience.




Temperature calibrators

- Dry-block, micro bath, infrared and surface
- Temperature ranges -55...1300 °C
- Effective and compact with a wide range of features



Pressure pumps and references

- Pneumatic and hydraulic pressure pumps
- Pressure ranges -0.95...1400 bar
- Ideal for mobile applications
- No external power supply




Digital precision pressure gauges

- Display range -1...2500 bar
- Selectable units: bar, mbar, hPa, kPa, MPa, PSI, mmHg, inHg, cmH2O, mH2O, inH2O, kg/cm² and °C, °F
- Accuracy (full scale) up to 0,01 %



Calibration Services

- Accredited calibration lab
- Temperature ranges -30...1300 °C
- Pressure ranges 1...1200 bar
- Electrical signals mA, V, Ω



Force sensors and load cells

- Force sensors compliant with ISO 376 Load cells compliant with OIML-R60
- Measuring principle: strain gauges in full-bridge circuit
- Measuring range: 0.5 kN...5 MN and 1...50 kg to 350 kg...7.5 t



Measurement amplifiers and software

- Portable compact display devices
- Force calibration systems
- Wireless measurement data transfer



Oil Deadweight Testers

- Highest accuracy with 0,015 % of reading
- Pressure range 0,25...1400 bar
- Free calibration to local gravity values according to DAkkS standard



Hand-held instruments

- Contact measurement for temperature, pressure and humidity
- Contactless hand-held infrared thermometers
- Easy operation and high measurement accuracy



Simulators

- For temperature, pressure, current, voltage, resistance, frequency or pulse rate
- Various configurations
- Powerful single-function and multi-function simulators

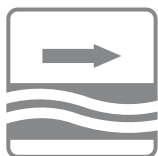


Electronic controllers and indicators

- Digital controllers and indicators for pressure, temperature, or other units
- Wide range of functions and good value for money



Sensors and Measuring Instruments



Flow Measuring Instruments



Test and Calibration Instruments



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