

Product overview

SIKA measuring instruments and calibration equipment



Quality by tradition

Quality by tradition

As a family-run company with a long history, SIKA Dr. Siebert & Kühn stands for reliable and precise measurement, control and calibration technology for flow, level, temperature, pressure and force. We focus on providing individual consultation and customised solutions. With more than a century of experience, our technical expertise is the cornerstone of our company's success.



Mechanical Measuring Instruments

For over 100 years we have been making precise mechanical instruments, which even in their original form can still handle a large portion of modern measurement technology tasks.

All our products are manufactured solely at our company headquarters in Kaufungen – that's quality „Made in Germany“.

Our range of mechanical instruments includes industrial glass thermometers, precision dial thermometers, matching protective tubes for thermometers, high-quality pressure gauges, force sensors and load cells.

Our strengths also include short delivery times, individual customer consultation, and tailored instrumentation solutions.



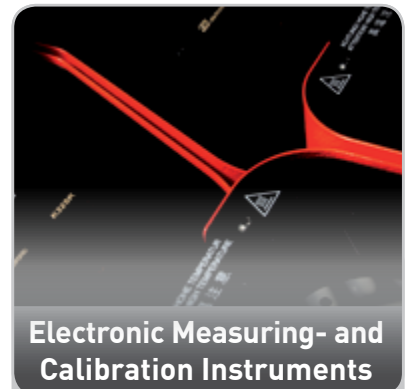
Flow Measuring Instruments

SIKA has been developing and manufacturing sensors for flow measurement and monitoring at the Kaufungen site for more than 40 years.

For everything from paddle flow switches to turbine flow sensors and flow meters with no moving parts like magnetic inductive or Vortex, we have the optimal device for your application.

For customised solutions tailored to customer-specific measurement tasks, we have ten different types of sensors in our sensor product line.

The high number of measuring principles and many years of experience enable us to serve our customers as a powerful partner.



Electronic Measuring- and Calibration Instruments

Our electronic instruments and calibration equipment product area features instruments with long-term reliability, innovative calibration technology, and a comprehensive range of services from our own DAkkS laboratory for temperature, pressure and standardised electrical signals.

Tried and tested components for instrumentation and control equipment and systems help our customers ensure the consistent long-term quality of their products and the efficiency of their production processes.

Our strength is our flexibility in developing customised solutions, based on our wealth of experience.





Mechanical Measuring Instruments



Industrial thermometers

- Case sizes: 200 x 36 mm, 150 x 36 mm and 110 x 30 mm
- Straight, 90° angle type and 135° angle type
- Various scale ranges from -60...40 °C to 0...600 °C (°F available upon request)



Dial thermometers

- Gas-filled or bi-metal version
- Nominal sizes: 2 1/2" to 6 1/2"
- Various scale ranges from -40...40 °C to 50...650 °C (°F available upon request)
- Optional switch contact



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



Mechanical pressure gauges

- Pressure measurement of liquid and gaseous media
- Nominal sizes: 2 1/2" to 10"
- 0...2.5 mbar to 0...4000 bar (°F available upon request)
- Extensive range of accessories
- Safety versions



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 2.2 to 110 lbs and 770 lbs. to 8.3 TON (US)



Measurement amplifiers and software

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





Flow Measuring Instruments



Flow switches

- Inline types 1/4" ... 2" or insertion types up to 8"
- No spring fatigue since the paddle is reset by magnetic force
- OEM versions



Vortex flow sensors

- Fully encapsulated piezo ceramic pickup sensor
- Sizes 1/2", 3/4" and 1"
- Integrated temperature sensor
- Thread connection or Quickfasten



Magnetic inductive flow sensors

- Plastic version 3/8" ... 1 1/4" for OEM applications
- Metal version 1/2" ... 1" for plant and machinery
- Flanged version 3/4" ... 8"



Turbine flow sensors

- For water and other low viscosity liquids
- Plastic, brass, stainless steel, 1/2" ... 12"
- Push-in cartridges for custom installations
- OEM versions



Positive displacement flow sensors

- For oil and high viscosity liquids
- High resolution, excellent accuracy from 0.002 GPM
- Cast iron, stainless steel and aluminum versions



Oval wheel flow sensors

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



**Variable area
flow meters**

- Liquid or gaseous media
- Sizes $\frac{3}{8}$ " ... $2\frac{1}{2}$ "
- Flow ranges 0.007...264 GPM and 0.0059...1,338 CFM
- Various material and limit switch configurations available



**Electronic
flow monitors**

- Insertion installation into pipes $\frac{1}{2}$ " ... 6"
- No moving parts
- Set point adjustment by potentiometer
- Compact or separate version



**Piston type
flow switches**

- Various fitting positions
- Sizes $\frac{1}{4}$ " ... 3"
- Flow ranges 0,13...145,29 GPM
- Wide set point ranges
- Special version for oil available



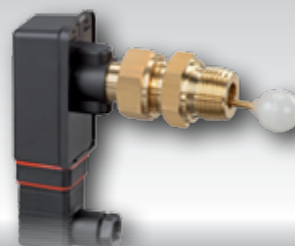
Flow regulators

- Constant flow rates at fluctuating pressure
- No external power necessary
- $\frac{1}{2}$ " and $\frac{3}{4}$ "
- Medium temperatures up to 392 °F



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 stainless steel versions





Electronic Measuring and Calibration Instruments



Temperature calibrators

- Dry-block, micro bath, infrared and surface function
- Temperature ranges -55...1,300 °C [-67...2,370 °F]
- Effective and compact with a wide range of features



Pressure pumps and reference gauges

- Pneumatic and hydraulic pressure pumps
- Pressure ranges -1...2,500 bar [-14,5...36,260 PSI]
- Ideal for mobile applications
- No external power supply



Calibration Services

- Accredited calibration lab
- Temperature ranges -30...1300 °C [-67...2,370 °F]
- Pressure ranges 1...1200 bar [-22...17,400 PSI]
- Electrical signals mA, V, Ω



Digital thermometers

- Accurate and robust
- With solar cell (min. light level 80 lux) or lithium battery, depending on model
- Scale ranges -40...650 °C [-40...1,200 °F]



KombiTemp

- Combination of electrical sensor and local display
- Measuring ranges from -30 to 200 °C (°F available upon request)
- Easy to read display of current reading



Temperature sensors

- Various temperature ranges up to 1500 °C (2,730 max. °F)
- With resistance thermometers or thermocouples compliant with DIN standards or customer preference



Simulators

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



Handheld instruments

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



Electronic controllers and indicators

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



Pressure sensors

- For liquids and gases
- Pressure ranges: 0...600 bar (8,700 PSI)
- Easy installation and high stability
- For absolute, relative or differential pressure





Mechanical Measuring Instruments



Flow Measuring Instruments



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