

PRODUCT OVERVIEW
**Measuring Instruments
and Calibration Equipment**



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, and pressure. We focus on providing individual consultation and customized solutions. With more than a century of experience, our technical expertise is the cornerstone of our company's success.



TEMPERATURE

Since 1901, SIKA has been the industry standard in temperature measurement with our patented V-shaped, Industrial Glass Bulb Thermometers – which are still used in many industrial applications today.

SIKA also offers other types of verification instrumentation. From dial thermometers (both mechanical and electrical) to electrical temperature measuring instruments like RTDs and Thermocouples. Patented SIKA Kombi-temps are thermometers and temperature sensors all-in-one, with a local display and signal output.



FLOW

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. Customized solutions are also offered upon request.

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



PRESSURE

SIKA is the world leader in generating, measuring, and calibrating pressure – with over a century of quality German engineering.

SIKA's pressure pumps are robust and allow pressure to be generated and controlled quickly and easily.

Our comprehensive range of gauges are available in various sizes and styles, including: bourdon-tubes, capsule-type, diaphragm, differential, and safety. We also offer digital gauges with data logging and signal-output options.



CALIBRATION

Our electronic instruments and calibration equipment feature long-term reliability, innovative technology, and a comprehensive range of services from our own DAkkS laboratory.

Tried and tested components for instrumentation and control equipment help our customers ensure consistent, high quality products and efficient production processes.

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



INDUSTRIAL THERMOMETERS



- Low cost, long-lasting stability
- Case sizes: small, medium, and large
- Straight or 90° angle types
- Various scale ranges from -30...482 °F [-22...250 °C]

DIAL THERMOMETERS



- Gas-filled or bi-metal versions
- Nominal sizes: 2½" to 6½"
- Various scale ranges from -40...1202 °F [-40...650 °C]

DIGITAL THERMOMETERS



- Accurate and robust
- With solar cell (min. light level 80 lux) or lithium battery
- Scale ranges -40...1202 °F [-40...650 °C]

KOMBI TEMP



- Combination of electrical sensor and local display
- Measuring ranges from -22...392 °F [-30...200 °C]
- Easy-to-read display
- Rtd or Thermocouple output signals

TEMPERATURE SENSORS



- Various temperature ranges up to 2732 °F [1500 °C]
- Constructed as a resistance thermometer, thermocouple, DIN standard, or customer specified scale

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



VORTEX FLOW SENSORS



- Fully sealed pickup sensor
- Measurement from 0.5...40 GPM (1.9...150 LPM)
- ½", ¾", and 1" models
- Frequency and Analog outputs
- Low pressure drop

VMZ MAGNETIC FLOW SENSORS



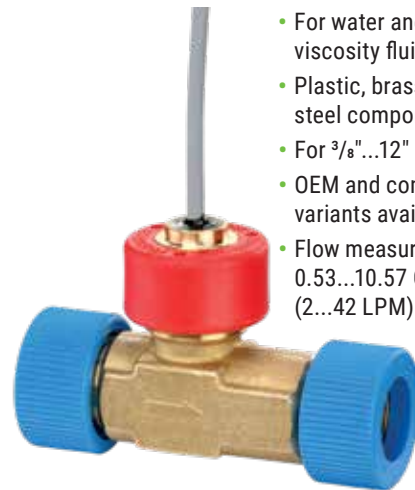
- For conductive liquids
- Measurement from 0.026...66 GPM (.10...250 LPM)
- Viscosity independent measurement
- Hastelloy components available

INDUSTRIAL VORTEX FLOW SENSORS



- Fully sealed pickup sensor
- Measurement up to 106 GPM (400 LPM)
- 1 ½" and 2" models
- No moving parts

TURBINE FLOW SENSORS



- For water and low viscosity fluids
- Plastic, brass, stainless steel components
- For ¾"...12" nominal sizes
- OEM and component variants available
- Flow measurement from 0.53...10.57 GPM (2...42 LPM)

FLOW SWITCHES



- Magnetic reset, no springs or bellows
- Insertion and inline types available
- ¼"...8" available
- Customization available

POTABLE WATER TURBINES



- NSF61/372 listed components
- Flow measurement from 0.26...16 GPM (1.0...60 LPM)
- Plastic, brass, stainless steel available
- OEM and component variants available



VMI MAGNETIC FLOW METERS

- For conductive industrial liquids
- Measurements up to 66 GPM (250 LPM)
- Viscosity independent measurement
- Tri-Clamp fittings available



VMM MAGNETIC FLOW METERS

- Various fitting positions
- ½"...8" available
- Multiple output types
- HART protocol available



CALORIMETRIC FLOW METERS

- Insertion style for ½"...6" pipes
- No moving parts
- Adjustable set point
- Multiple configurations



POSITIVE DISPLACEMENT FLOW SENSORS

- For oil and other viscous liquids
- High resolution and accuracy from 0.002 GPM
- Cast iron, aluminum, & stainless steel versions
- Optional outputs and thread adapters



OVAL GEAR FLOW METERS

- High resolution and accuracy
- No inlet/outlet diameter requirements
- Excellent repeatability
- Long-term stability



LEVEL SWITCHES

- Lateral installation
- For water, oil, and other media
- Plastic, brass, and stainless steel versions available
- Multiple float and thread options





MECHANICAL PRESSURE GAUGES



- Pressure measurement of liquid and gaseous media
- Nominal sizes: 2½" to 10"
- 0...58,000 PSI [0...4000 bar]
- Safety, differential, and chiller versions
- Bourdon tube, diaphragm, and capsule elements models

DIGITAL PRESSURE GAUGES



- Pressure measurement of liquid and gaseous media
- LCD with selectable units and min/max display
- High accuracy 0.5 ...0.025% F.S.
- Extensive range of accessories
- Explosion proof versions
- Data logging options

PNEUMATIC HANDHELD PRESSURE PUMPS



- Pressure ranges: -14.5...870 PSI [-0.95...60 bar]
- Ideal for mobile applications
- No external power supply
- For a clean, safe, and readily available medium

TABLE TOP LABORATORY TEST PUMPS



- Most accurate
- Easy to generate high pressure
- Pressure ranges: 5...20,305 PSI [0.25...1400 bar]
- No external power supply

HYDRAULIC HANDHELD PRESSURE PUMPS



- Pressure ranges: 0...14,000 PSI [1...1,000 bar]
- Ideal for mobile applications
- No external power supply
- Easy to generate high pressure

HANDHELD INSTRUMENTS FOR PRESSURE



- Contact measurement for pressure and humidity
- Easy operation and high measurement accuracy
- Ideal for mobile applications



Since co-founding the calibration guideline DKD-R 5-4 in 1995, SIKA has remained an industry leader in generating, measuring, and calibrating temperature.

As a portable device, a temperature calibrator has to cope with frequently changing operation locations in the test bay or in production, while being equally suitable for stationary use in the measuring workshop or testing and inspection lab. SIKA's temperature calibrators are **compact** and **robust**, making them easy to transport and simple to use. **TP Premium Calibrators** feature SIKA's patented rocket controller, providing the **fastest time-to-temp available**.

With temperature ranges from -67°F to 2372°F [-55 to 1300 °C], SIKA offers temperature calibrators for many application types. They can also be customized to meet your specific needs.

Make temperature validation a breeze - from production to laboratory.

TP BASIC SERIES

GOOD



The temperature calibrators in the TP Basic Series have been developed for direct on-site use. With these instruments, the focus is on **efficiency** and **portability**.

- Dry Block
- Temperature Range: -67...1562°F (-55...850°C)
- Accuracy: ±0.72...1.8°F (-17.3...-16.8°C)
- Block dimensions:
 - Diameter: Ø 1.10...2.36 in. (2.8...6 cm)
 - Depth: 5.91 in. (15 cm)
- Power Supply:
 - 100...240 VAC
 - 50...60 Hz
- Display: 2-line, 4-digit display

TP SOLID SERIES

BETTER



With the TP Solid series, the emphasis is on **flexibility**. Operation is easy, intuitive, and allows fast access to comprehensive functions. In addition to dry block calibrators, micro calibration baths are also available to complete the portfolio.

- Dry Block and Micro Bath functions
- Temperature Range: -67...2372°F (-55...650 °C)
- Accuracy: ±0.18...0.72 °F (-17.7...-17.38 °C)
- Block Dimensions:
 - Diameter: Ø 1.10...2.36 in. (2.8...6 cm)
 - Depth: 5.91...6.69 in. (15...17 cm)
- Power Supply:
 - 100...240 VAC
 - 50...60 Hz
- Display: 2-line, 4-digit display

TP PREMIUM SERIES

BEST



The TP Premium series is known for its **optimum performance** and **outstanding ease** of use. With the help of the self-explanatory menu structure, all the necessary entries can be made quickly and easily. The block and set temperature, as well as the difference and the variance of the stability, are displayed on the touch display.

- Dry Block, Micro Bath, Infrared, & Surface Functions in one unit
- Temperature Range: -67...1292°F (-55...700 °C)
- Accuracy: ±0.18...1.8°F (-17.7...-16.8 °C)
- Block Dimensions:
 - Diameter: Ø 1.10...2.36 in. (2.8...6 cm)
 - Depth: 5.91...6.69 in. (15...17 cm)
- Power Supply:
 - 100...240 VAC
 - 50...60 Hz
- Display:
 - Brilliant Color-Touchscreen (7")
 - Viewing angle 120...140°

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