

Pressure



From the lowest pressures to the highest pressures, from simple analogue displays to communication-enabled pressure sensors – our product range for measuring gauge, absolute and differential pressure is vast.

With interfaces for various fieldbus systems, or in combination with diaphragm seals or valves, you will find solutions for all areas of modern pressure measurement.

Pressure gauges
Digital pressure gauges
Contact pressure gauges
Pressure sensors
Process transmitters
Valves and mounting accessories
Pressure switches
Diaphragm seals



Temperature



For each temperature range the suitable solution: The WIKA product portfolio for electrical temperature measurement covers measuring ranges from -200 to +1,700 °C.

Our dial thermometers work on the bimetal, expansion or gas actuation principle. This enables scale ranges of -200 to +700 °C in different class accuracies, response times and resilience to environmental influences.

Temperature switches Resistance thermometers

Thermometers with switch contacts Thermocouples

Thermowells Temperature transmitters

Dial thermometers Digital indicators

Level



Float switches Submersible pressure sensors

Glass level gauges Bypass level indicators
Optoelectronic switches

Our level measuring instruments are used in all areas in power generation and in the chemical, machine-building, pharmaceutical and food industries. At the same time measuring technology has to meet requirements which are as diverse as its application fields.

In close cooperation with development departments special instrument versions are developed for each measuring task that can confidently meet required measuring criteria even under extreme conditions. Choose from level measuring instruments for temperatures up to 450 °C, densities from 400 kg/m³ and pressure ranges up to 500 bar.

Force



Force measuring instruments primarily serve to protect people, machinery and goods. Here, choose from three leading technologies: thin film, strain gauge and hydraulic force transducers. Our instruments ensure a high degree of production and failure safety, not only in machine building and agricultural technology, but also on cranes, in hoists and even on theatre stages.

Tension links Inclination sensors
Ring force transducers
Load cells
Tension/compression force transducers
Bending beams/shear beams
Load pins



Flow



Meter runs
Flow nozzles
Restriction orifices **Venturi tubes**
Averaging pitot tubes
Orifice plates and assemblies

High accuracy is a decisive criterion in many applications for flow measurement, especially in high-tech fields.

We combine the flow elements – whose diameters range from as wide as a thumb to as tall as a man – with differential

pressure measuring instruments or accessories to form efficient and economical complete solutions. Both measuring instruments and accessories comply with all major international directives and feature worldwide approvals.



Reference thermometers Hand-helds

Pressure balances

Pressure controllers

Temperature calibrators

Resistance thermometry bridges

Accessories

Calibration baths

Calibrators

Calibration



Strict legal requirements from relevant approval institutions set high standards for the measurement technology. A multitude of specific patents ensure unmatched performance characteristics with our calibration instruments.

The automation of measured value recordings or entire test procedures ensures time and cost savings. Both simple factory calibrations and traceable calibrations in accordance with ISO/IEC 17025 are possible.



Service

Engineered solutions
Consulting Calibration
SF₆ solutions
IIoT Accessories Installation
Repair Analysis
Inspection & testing



Service and solutions for all industries

At WIKA, the focus is on the entire life cycle of the product – technology and service are in harmony. Whether the installation of your product at the defined location, regular calibrations of the system in accordance with ISO/IEC 17025, system optimisations by improving several components or planned analyses to minimise downtime.

Regular service supports process safety, resource optimisation and compliance with standards. In addition, WIKA offers further solutions, for example in the area of SF₆ gas and customised systems. With our service centres and globally positioned teams – WIKA is your service partner!



Smart in sensing

WIKAI Alexander Wiegand SE & Co. KG

Alexander-Wiegand-Straße 30 · 63911 Klingenberg · Germany
Tel. +49 9372 132-0 · info@wika.de · www.wika.de