

Calibration & service centre



Calibration laboratory, mobile calibration service and repair

We calibrate and repair your measuring instruments in the WIKA-owned accredited DKD/DAkkS calibration laboratory or on site at your premises. Product quality, operational safety and cost effectiveness relate directly to an accurate and reliable registration of the process variables. Therefore, you should entrust the calibration, maintenance and repair of your measuring instruments, in the calibration laboratory or on site, to a competent partner.

Since 1982 WIKA has been a member of the German Calibration Service (Deutscher Kalibrierdienst – DKD), the calibration laboratory and the mobile calibration service have been accredited to DIN EN ISO/IEC 17025. Since then we

have been actively participating in the DKD working groups as well as standardisation committees – contributing our experience to technological progress.

Carrying out a calibration

Prior to calibration an evaluation of the calibration capability of the instruments is performed and, if necessary, an adjustment. The calibration is carried out in accordance with the valid directives. The results of the calibration are documented in a calibration certificate and the calibration item

receives a calibration mark. We calibrate pressure, temperature and electrical measuring instruments of our own manufacture, as well as those of other manufacturers. Depending on your requirements you can select either a DKD/DAkkS calibration or a factory calibration.

DKD/DAkkS calibration

- List of single measured values
- Specification of the applied reference standard
- Calculation of mathematical parameters
- Calculation of the expanded measurement uncertainty (as required in ISO 9001)

Traceability to the national standard of the PTB is guaranteed

Documentation and graphic illustration in a DKD/DAkkS calibration certificate

European co-operation for Accreditation ensures worldwide acceptance

→ DKD/DAkkS calibration certificate

Factory calibration

- List of single measured values
- Specification of the applied reference standard

Traceability of the inspection equipment to the national standard is given, as a rule

Documentation in an inspection certificate (no formal obligation)

No normative or internationally agreed standards

→ Inspection certificate 3.1 according to EN 10204

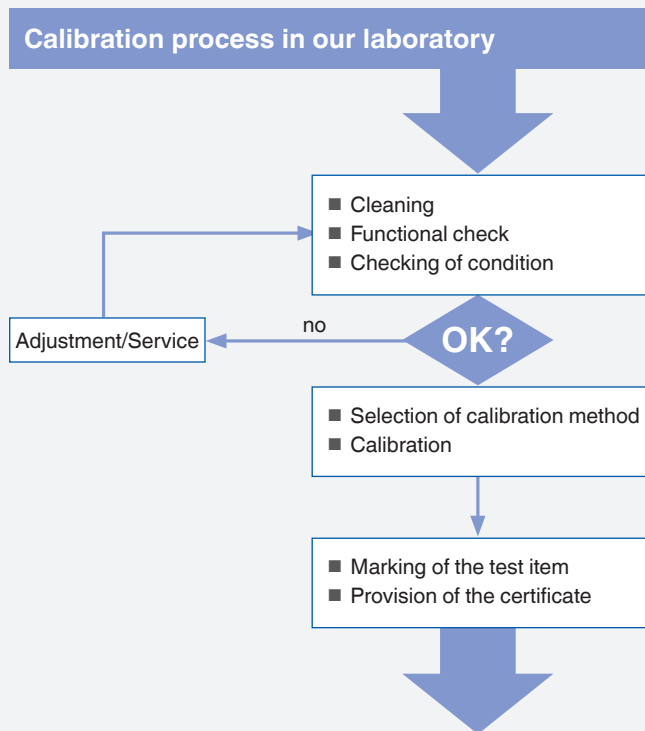
Calibration service

Pressure

Our calibration laboratory for pressure (D-K-15105-01-00) has been accredited to DIN EN ISO/IEC 17025 since 1982.

We calibrate your pressure measuring instruments quickly and precisely

- in the range of -1 bar ... +8,000 bar
- using high-precision reference standards (pressure balances) and working standards (precise electrical pressure measuring instruments)
- with an accuracy from 0.003 % ... 0.01 % of reading depending on the pressure range
- in accordance with the directives DIN EN 837, DAkkS-DKD-R 6-1, EURAMET cg-3 or EURAMET cg-17



We can calibrate for you
(independent of manufacturer)

- Mechanical pressure measuring instruments
- Mechatronic pressure measuring instruments
- Pressure transmitters
- Pressure controllers
- Pressure balances
- Hand-helds

Calibration service Temperature

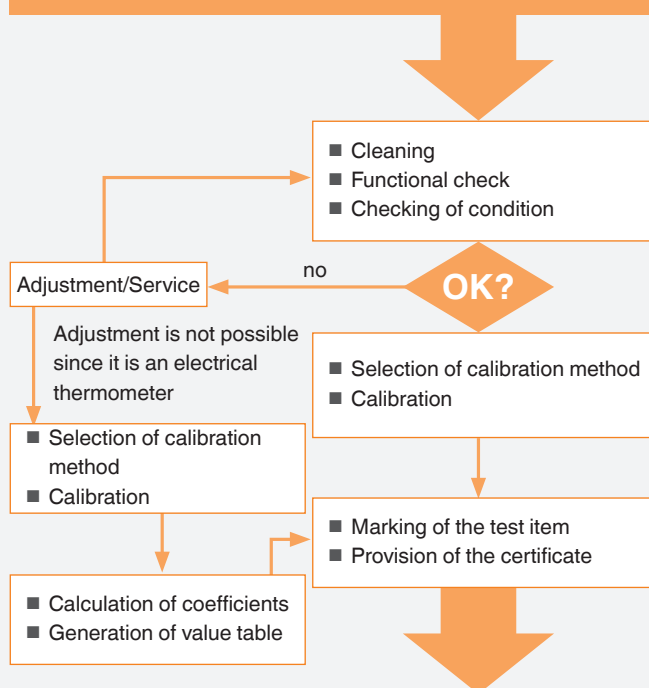


Our calibration laboratory for temperature (D-K-15105-01-00) has been accredited to DIN EN ISO/IEC 17025 since 1992.

We calibrate your temperature measuring instruments quickly and precisely

- in the range of $-196\text{ °C} \dots +1,200\text{ °C}$
- in calibration baths, tube furnaces or at fixed points using appropriate reference thermometers
- with an accuracy of $2\text{ mK} \dots 1.5\text{ K}$ depending on temperature and the procedure
- in accordance with the appropriate DKD/DAkkS and EURAMET directives

Calibration process in our laboratory



**We can calibrate for you
(independent of manufacturer)**

- Mechanical thermometers
- Resistance thermometers (also with transmitters)
- Thermocouples (also with transmitters)
- Electronic thermometers with local indication
- Data logger
- Dry-well calibrators
- Micro calibration baths

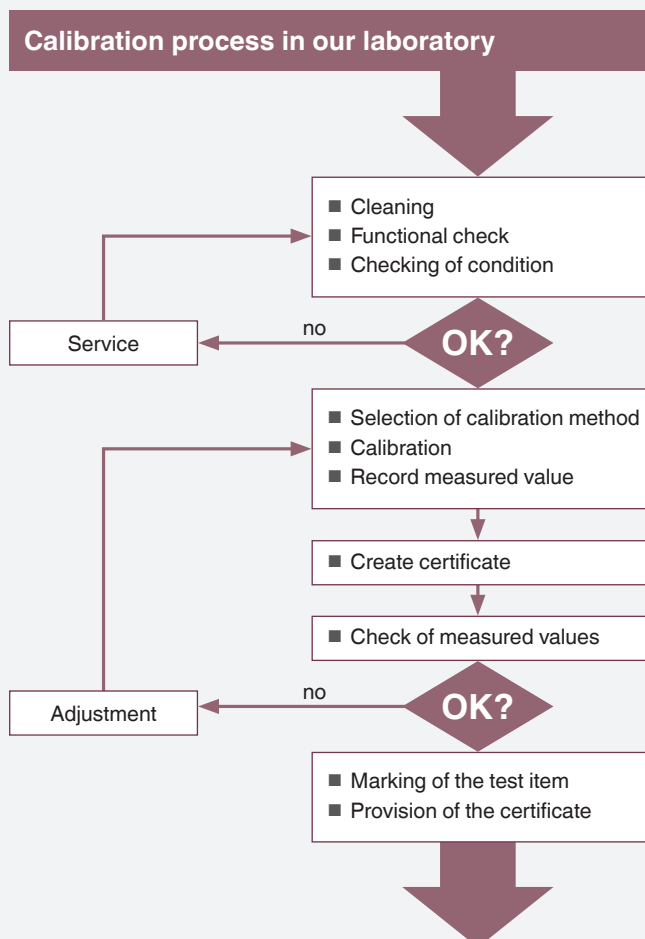
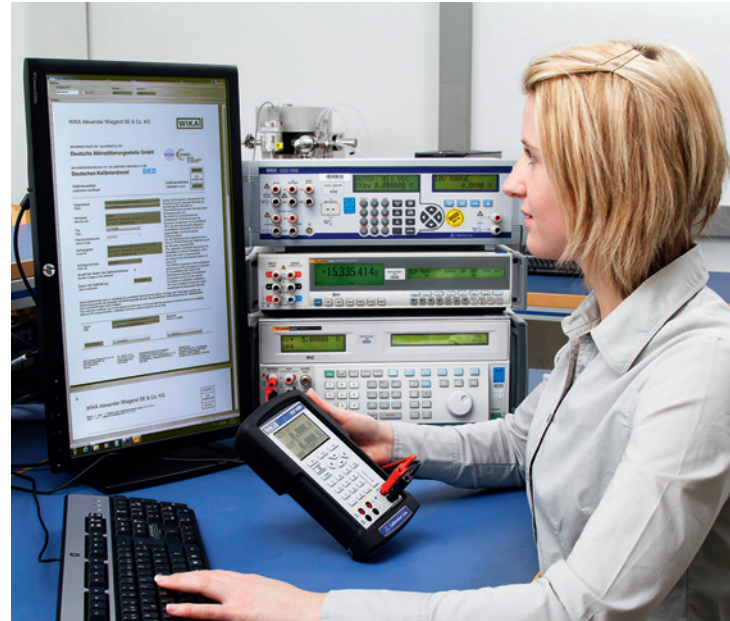
Calibration service

Current, voltage, resistance

Our calibration laboratory for electrical measurements (D-K-15105-01-00) has been accredited to DIN EN ISO/IEC 17025 since 2014.

We calibrate your electrical measuring instruments quickly and precisely

- DC current in the range 0 mA ... 100 mA
- DC voltage in the range 0 V ... 100 V
- DC resistance in the range 0 Ω ... 10 kΩ
- in accordance with the directives:
VDI/VDE/DGQ/DKD 2622



We can calibrate for you
(independent of manufacturer)

- Loop calibrators
- Multi-function calibrators
- Process calibrators
- Standard reference resistors
- Multimeters

Mobile calibration service

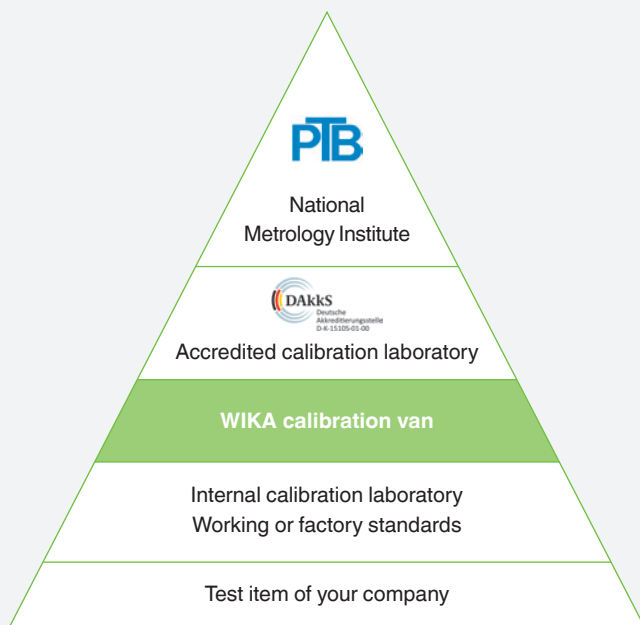


In order to have the least possible impact on the production process, we offer you a time-saving, on-site DKD/DAkkS calibration throughout Germany (measurement parameter pressure).

We calibrate your pressure and temperature measuring instruments quickly and precisely

- in our calibration van or on your workbench
- with a DAkkS accreditation for pressure
 - in the range of -1 bar ... +8,000 bar
 - with accuracies between 0.1 % and 0.025 % of FS for the standard used
- Inspection certificates 3.1 for the measurement parameter temperature
 - in the range of -55 °C ... +1,100 °C
- independent of manufacturer

Traceability in case of mobile calibration service



We can calibrate for you (independent of manufacturer)

- Mechanical pressure measuring instruments
- Pressure transmitters
- Mechanical thermometers
- Resistance thermometers (also with transmitters)
- Thermocouples (also with transmitters)

Repair

Repairs to measuring instruments are a core service of the WIKA calibration & service centre. Our qualified service technicians will support you in solving problems and ensure that your measuring instrument is fully functional again in a short space of time.

Our range of services

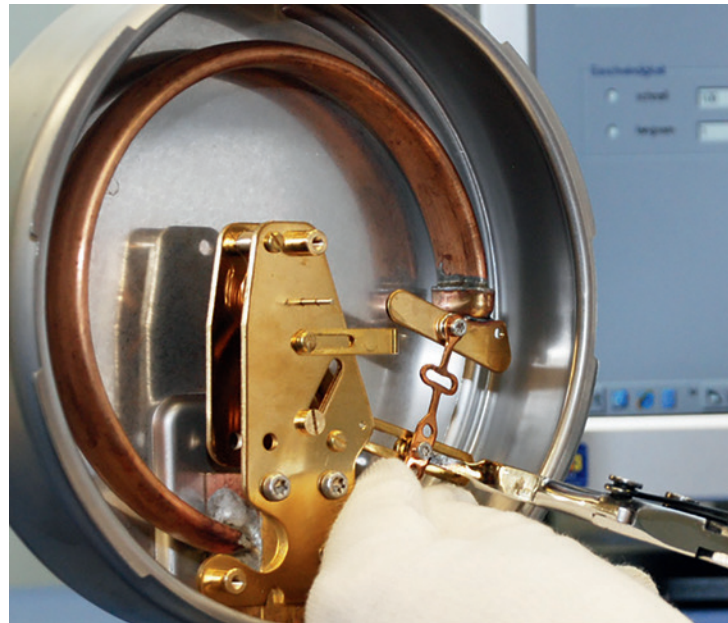
- Competent consulting and technical support by telephone
- Comprehensive function inspection of the measuring instruments
- Complete cleaning of instruments
- Upgrade of measuring instruments and retrofitting of options
- Customised modifications and conversions
- Update of software
- Replacement of wear and tear parts
- Calibration following repair (optional)

Your benefits

- Qualified service technicians with extensive product knowledge
- Cost estimate after receipt of the measuring instrument
- Service report following each repair carried out
- Use of original parts
- Loan instrument during repairs (optional)
- WIKA transport packaging for your measuring instrument (optional)

On-site repairs

With our calibration vans, we can repair your WIKA pressure gauges directly on site. Upon request, we can also repair calibration instruments on your premises.



Our brands

ASL

mentor

DH·Budenberg

DH Desgranges & Huot

scandura

Measuring instruments of other manufacturers

Of course, we are able to help you with repairs and calibrations of measuring instruments of other manufacturers – simply contact our service team.

Service and products

Service and consulting

CT Service Hotline

Information on calibration in the WIKA laboratory or on-site calibrations is available from our CT service team.

Monday – Friday from **6.30 a.m. to 4 p.m.**
Phone **+49 9372 132-5049**
ctsales@wika.com

You can find contact persons for your region on our website.

Online services

Further information on our services and products offering can also be found on our website.



Return of goods

If you wish to send your measuring instrument for calibration to the WIKA calibration & service centre, please use our form at **www.wika.de** (Service | Return of goods)



Product portfolio

Pressure

Pressure measuring instruments, pressure controllers, pressure balances, hand pumps.



Temperature

Reference thermometers, calibration baths, temperature measuring instruments, portable calibrators.



Current, voltage, resistance

Hand-held loop calibrators, high-precision process calibrators, multi-function calibrators, reference resistors.

