



Calibration | Maintenance | Repair

# Calibration & service centre



Smart in sensing

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## Ability to meet any challenge

As a family-run business acting globally, with over 9,000 highly qualified employees, the WIKA group of companies is a worldwide leader in pressure and temperature measurement. The company also sets the standard in the measurement of level and flow, and in calibration technology.

Founded in 1946, WIKA is today a strong and reliable partner for all the requirements of industrial measurement technology, thanks to a broad portfolio of high-precision instruments and comprehensive services.

With manufacturing locations around the globe, WIKA ensures flexibility and the highest delivery performance. Every year, over 50 million quality products, both standard and customer-specific solutions, are delivered in batches of 1 to over 10,000 units.

With numerous wholly-owned subsidiaries and partners, WIKA competently and reliably supports its customers worldwide. Our experienced engineers and sales experts are your competent and dependable contacts locally.

### Your WIKA contacts:



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# WIKA – Your strong, global partner in calibration technology

WIKA is the ideal partner for solutions in calibration technology, whether a single service instrument is required, quickly and without complication at the point of use, or whether a fully automated calibration system needs to be designed for the laboratory as well as production. We are able to offer an appropriate solution for each application.

WIKA has successfully integrated renowned manufacturers of calibration instruments into the Group. Through the combination of experience and the product range, we can offer each customer the ideal solution for each measurement task.

WIKA offers a unique range of products in all accuracy classes, from primary standards to simple hand-held instruments, all with different levels of automation.

A multitude of specific patents ensure unmatched performance characteristics with many of our calibration instruments. Our customers particularly appreciate the well-proven functionality of our instruments, which results from WIKA being not only a manufacturer of calibration equipment, but that these are also used in their own production and within their accredited laboratories.



The DH-Budenberg brand stands, like no other, for decades of experience in the manufacture of pressure balances. DH-Budenberg develops and manufactures pressure balances for industrial and laboratory applications with small measurement uncertainties. The product portfolio contains both portable and stationary instruments.



For over 40 years, Mensor has been setting new standards through innovative products for the automation of pressure testing tasks. The pressure controllers are suitable for both sensitive applications for use in laboratories and for the demanding requirements in manufacturing.



WIKA stands for portable instruments for pressure and temperature, as well as current, voltage and resistance. Thanks to their robust design, they are ideally suited for calibration or testing tasks on site.



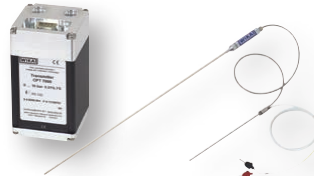
# Product portfolio

## From individual components ...



### Portable pressure generation

Test pumps serve as pressure generators for the testing of mechanical and electronic pressure measuring instruments through comparative measurements. These pressure tests can take place in the laboratory or workshop, or on site at the measuring point.



### Measuring components

High-accuracy pressure sensors and very stable standard thermometers are ideal for applications as references in industrial laboratories. Due to their analogue or digital interfaces, they can be connected to existing evaluation instruments.



### Hand-helds, calibrators

Our hand-held measuring instruments (process tools) offer a simple capability for measurement or simulation of all established measurands on site. They can be operated with a wide variety of pressure sensors or thermometers.

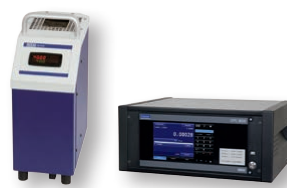


## ... to a fully automated system



### Digitally indicating precision measuring instruments

High-accuracy digital precision measuring instruments are ideal for applications as reference standards in industrial laboratories or metrology, enabling high-accuracy calibration. They feature exceptionally simple handling and an extensive range of functionality.



### Digital precision instruments and controllers

Due to their integrated controller, these instruments offer exceptional convenience. Typically, a fully automated setting of the required value can be set via the interface.



### Fully automated calibration systems as complete solutions

Fully automated calibration systems are customer-specific, turnkey installations which can be fitted in laboratories as well as in the production environment. With integrated reference instruments and calibration software, calibration certificates can be generated and archived in a simple and reproducible way.



# Calibration service pressure



0138

Our calibration laboratory for pressure (0138) has been accredited under ISO 17025 through UKAS since 1984.

## We calibrate your pressure measuring instruments quickly and precisely

- From -1 bar to +5,000 bar
- Using high-accuracy reference standards (pressure balances) and working standards (precise electronic pressure measuring instruments)
- With an uncertainty of 0.0035% to 0.02% of reading depending on the pressure range and mode
- In accordance with the directives EN 837 and ISO 17025

## Calibratable measuring devices (irrespective of manufacturer)

- All pressure measuring instruments for negative and positive overpressure, differential pressure incl. differential pressure under static pressure and absolute pressure
- Mechanical pressure measuring instruments
- Mechatronic pressure measuring instruments
- Electrical pressure measuring instruments such as transducers, transmitters and pressure sensors
- Pressure switches
- Pressure controllers
- Pressure balances / dead weight testers
- Hand-held calibrators
- Process pressure calibrators





# Service package “Take Care”

Long-term stability, a high degree of reliability and functional safety are essential criteria for a calibration instrument. With our “Take Care” service package we not only offer you the best functional safety for your WIKA calibration instrument, but also reduce your service costs at the same time.

If you need scheduled calibration and a regular repair service, there is no better maintenance program for your instrument than our “Take Care” service. In addition, you will enjoy further exclusive privileges on our service products - this ensures that you will appreciate your WIKA calibration instrument for a long time!

## Package components

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The “Take Care” service package is available for all new and existing WIKA calibration instruments\* and includes the following services:

- 1 extra year of “guarantee terms”\*\*
- 20% discount on recalibration (UKAS and factory calibration)
- 20% discount on preventive maintenance
- 20% discount on our pick up and delivery service
- 50% discount when registering for a calibration seminar or when booking individual product training on your premises
- Free software updates

## Package duration period

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The “Take Care” service package for calibration instruments is valid for 3 years after the purchasing date or 5 years for pressure balances/dead-weight testers. After expiry, the package can be reordered as often as required.

## Your benefits

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- Optimum operation and functional safety for your measuring instrument
- Long-term reduction of your operating costs
- Many price advantages on service provisions and products
- Additional safety through 1 extra year of “guarantee terms” in addition to legal guarantees\*\*

\*With the exception of hand test pumps \*\*Only applies when purchasing the service package “Take Care” in combination with a new instrument

# Calibration certificates

We can calibrate and repair your measuring instruments in our UKAS accredited calibration laboratory in Manchester, conveniently located in the heart of the UK. Product quality, operational safety and cost effectiveness relate directly to an accurate and reliable recording of your process variables. Therefore, you can entrust the calibration, maintenance and repair of your measuring instruments, in our calibration laboratory to a competent partner.

Since 1984 our laboratory has been UKAS accredited to ISO 17025. We have the capability to calibrate in Absolute and Gauge modes and can offer service from high vacuum to 5000 Bar.

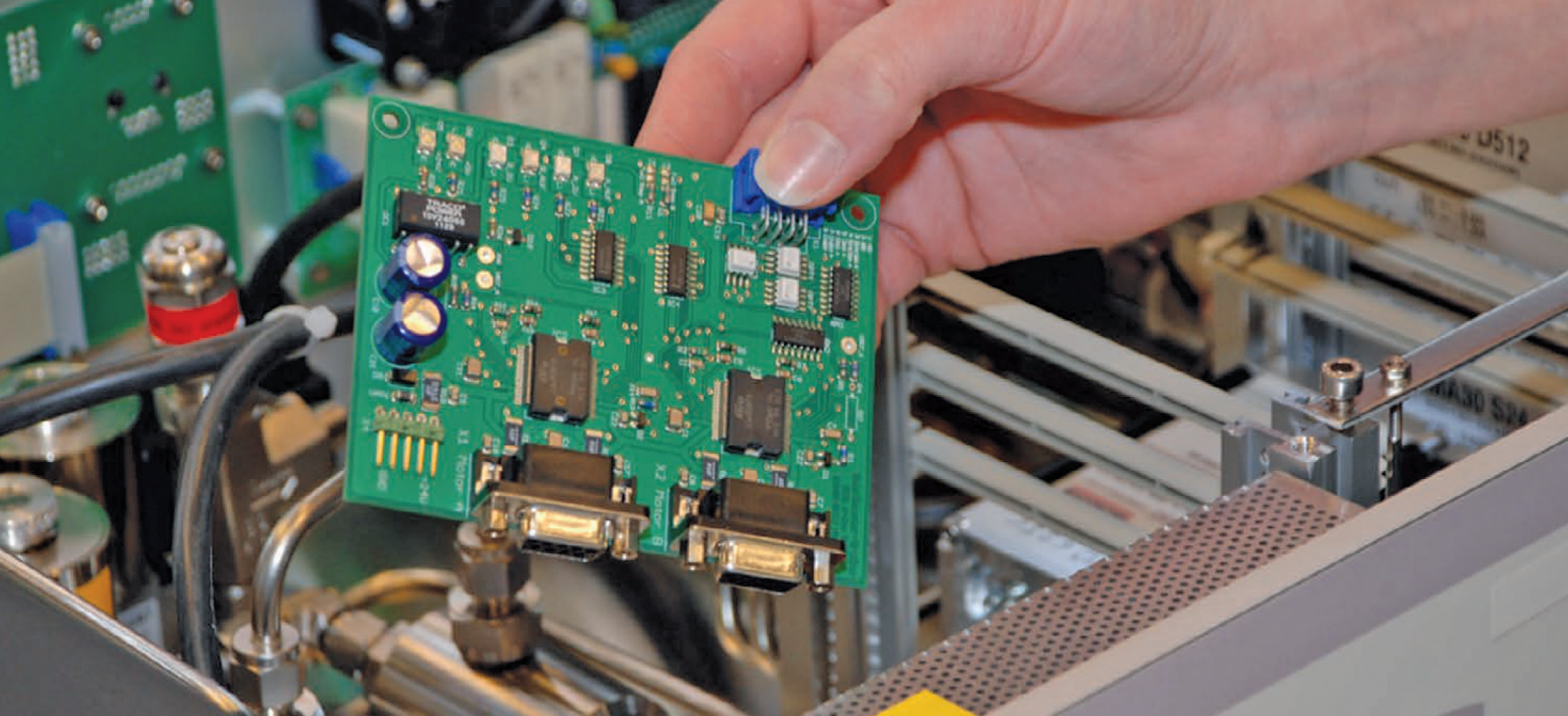
## Carrying out a calibration

Prior to calibration an evaluation of the calibration capability of your instruments is performed and, if necessary, an adjustment with pre-adjustment readings recorded. The calibration is carried out in accordance with our approved procedure. The results of the calibration are documented in a Calibration Certificate and a label is

affixed to the instrument. We calibrate instruments of our own manufacture, as well as those of other manufacturers. Depending on your requirements you can select either a UKAS calibration or a factory (traceable to National Standards) calibration.

UKAS Calibration
<ul style="list-style-type: none"><li>■ List of single measured values</li><li>■ Specification of the applied reference standard</li><li>■ Calculation of mathematical parameters</li><li>■ Calculation of the expanded measurement uncertainty (as required in ISO 17025)</li></ul>
Traceability to national standard's is guaranteed
Documentation in a UKAS calibration certificate
International co-operation for Accreditation ensures worldwide acceptance (ILAC Agreement)
UKAS Calibration Certificate

National Standards Traceable Calibration
<ul style="list-style-type: none"><li>■ List of single measured values</li><li>■ Specification of the applied reference standard</li></ul>
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
Calibration Certificate



# 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

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- 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)

## On-site repairs

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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.

## Your benefits

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- 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)

## Measuring instruments of other manufacturers

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





# Collect and return service

A date for servicing your calibration instrument always requires a little effort. But there is another way: With our collect and return service we can transport your measuring and calibration instruments safely, reliably and without risk. Simply book the collect and return service at your convenience through our service team - we will organise the rest!



Collect and return service WIKA:

Personal and direct



## Our services

- Collection and delivery by a WIKA employee
- Safe transport of the instruments in transport boxes
- Optional: dismantling and commissioning of the measuring and calibration instruments on site

## Your benefits

- No transport risks
- Flexible collection and return location
- No packaging necessary
- Personal & direct



Pick up and delivery:

Low cost



## Our services

- Organised collection and return through our partner UPS

## Your benefits

- No transport risks
- Optional: shock absorbers to increase safety during transport
- Low-cost



# Hire and loan service

Time is short. There is clearly more to do than was planned. There is a pile of instruments waiting on calibration or that must be tested.

With the WIKA rental and lend service, you have the situation under control. Everywhere and anytime. Our rental fleet offers all possible ways to increase your productivity as fast as possible. We always offer you the best of quality with our rental service. Service is already included in the rental price. The costs for any possible repairs or inspections shall be covered by WIKA (except for intentional or vandalism damage).

## Hire

### Our services

- WIKA calibration instrument for the duration of calibration or service. WIKA calibration instruments are delivered certified for a period of up to 2/3 years dependant on instrument type.

### Why?

- Calibration tasks for the measurement parameters of pressure

### Your benefits

- No major purchasing costs / capital expenditure
- The latest generation of instruments
- Predictable costs for the entire rental period
- No unexpected service costs
- Flexible rental period up to 12 Months

## Loan

### Our services

- Free WIKA calibration instrument for a period of up to 2 weeks (subject to availability)

### Why?

- Demonstration purposes, functional checks, purchasing decisions, etc.

### Your benefits

- Free of charge
- Assistance in purchasing decisions
- No production downtime

# Seminars, service & consultancy

Our seminars on the topic of calibration technology let you expand your know-how, further your practical knowledge and keep you abreast of the latest developments. In addition to learning about the theoretical basics you will be carrying out calibrations yourself, both manually and fully automated, with the aid of tasks in the practical part. These seminars are ideal for engineers, technicians, laboratory staff, technical experts and sales staff.

## Calibration “pressure”

You will learn how to perform a calibration with the aid of dead-weight testers, pressure controllers and hand test pumps. Then you will make your own calibrations, evaluate the results and document them.

## Calibration “temperature”

You will learn the various calibration methods (i.e. the fixed point and comparison method). We will also show you how a calibration is performed with the aid of water triple and ice points. You will calibrate a resistance thermometer in a liquid bath and a dry-well calibrator, evaluate the results and document them.

## Training

In addition to our calibration seminars, you also have the option of receiving training customised to your needs. No matter if for one person or a group, on your premises or at WIKA – you design your training.

- Product training
- Calibration training
- WIKA CAL Calibration Software Training

## Consulting

We would be pleased to assist and advise you in the selection of suitable solutions for extending your equipment pool.

## CT Service hotline

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

**Monday - Thursday from 8.00am to 4.15pm**

**Friday - 8.00am to 3.50pm**

**Phone 0161 777 2800**

**[info.ct@wika.com](mailto:info.ct@wika.com)**

## Services

This range of services applies to the UK. In the subsidiaries worldwide the availability of these service offerings may vary.

## Return of goods

If you wish to send your measuring instrument for calibration to the WIKA calibration & service centre at 10 Huntsman Drive, North Bank Industrial Estate, Irlam Manchester, M44 5EG, United Kingdom Please use our form at [http://www.wika.co.uk/service\\_productreturn\\_en\\_uk.WIKA](http://www.wika.co.uk/service_productreturn_en_uk.WIKA)



## Online services

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



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You can find further  
information here!



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