

Pressure  
Temperature  
Level  
Flow

# WIKAI – Your partner in the **EPC** Contractor Business



 Part of your business

# About us



Alexander Wiegand,  
Chairman and CEO, WIKA

Over the past 60 years, WIKA Alexander Wiegand SE & Co. KG has been a renowned partner and competent specialist for any task in the field of pressure, temperature and level measurement. On the basis of a steadily growing efficiency, innovative technologies are applied when developing new products and system solutions. The reliability of the products and the readiness to face all challenges of the market have been the key factors for WIKA achieving a leading position in the global market.

Within the WIKA Group 7,300 employees are dedicated to maintaining and improving technology in pressure and temperature measurement. Over 500 experienced employees within the sales department consult customers and users competently on a partnership basis.

More than 300 engineers and technicians are searching continually on behalf of WIKA to provide innovative product solutions, improved materials and profitable production methods. In close cooperation with recognised universities, institutes and industrial companies, solutions for specific applications are developed.

# Your competent partner in the contractor business

WIKA has been active in the contractor business for more than 30 years. Together with international partners we realise large projects all over the world; being more than a reliable supplier of high-quality measuring instruments. As a competent partner we develop - together with you - products and solutions made to custom-fit your requirements.

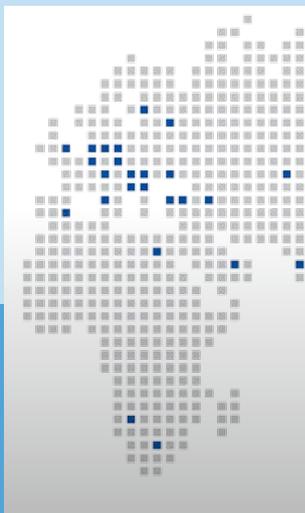
Thanks to our global presence, you will find WIKA in all well-known supplier lists that are also used by the leading engineering and contractor companies.

In all WIKA subsidiaries, experienced engineers supervise their respective projects and create precise offers and/or documentation, handling your orders in accordance with your specifications.

Numerous sales staff in our subsidiaries can offer you acceptance tests and special packaging (such as specially designed transport cases with the corresponding labelling) as well as installation support for the products ordered.

WIKA's high level of performance is based essentially on three factors: A wide and innovative product range, comprehensive and competent service and a reliable global presence. We are happy to assist in your success. You can find out more about what we can offer you on the following pages.

## Global presence



## Service in every detail



## Product portfolio



# Global project teams – in your vicinity



WIKA maintains subsidiaries in over 43 countries on all continents. These include state-of-the-art production facilities in all central markets, maintenance facilities, installation equipment and teams for additional services. Wherever you need us, WIKA offers you the necessary know-how for your country-specific requirements.

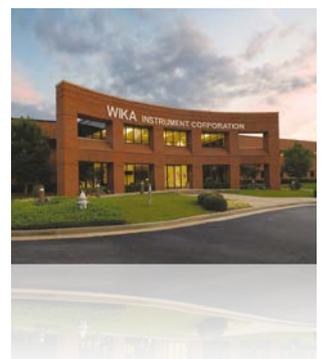
Whether you need intensive consultation in the basic or detail engineering, technical service, acceptance tests or support for product installation, we are never far away and, thus, able to support the prompt and smooth realisation of your projects.



## Our local services

For your projects, we offer you a comprehensive service worldwide: engineering, acceptance tests, transportation solutions, after-sales service and much more.

- Calibration, pressure and temperature measurement
  - Diaphragm seal assembly
  - Temperature probe assembly
  - Production
- 
- |                     |                    |
|---------------------|--------------------|
| ● Egypt             | ● ● ● Malaysia     |
| ● ● ● Argentina     | ● ● ● Mexico       |
| ● ● ● Australia     | ● ● ● Namibia      |
| ● ● ● Azerbaijan    | ● ● ● New Zealand  |
| ● ● ● Benelux       | ● ● ● Austria      |
| ● ● ● Brazil        | ● ● ● Philippines  |
| ● ● ● Bulgaria      | ● ● ● Poland       |
| ● ● ● China         | ● ● ● Romania      |
| ● ● ● Chile         | ● ● ● Russia       |
| ● ● ● Germany       | ● ● ● Switzerland  |
| ● ● ● Finland       | ● ● ● Serbia       |
| ● ● ● France        | ● ● ● Singapore    |
| ● ● ● Great Britain | ● ● ● Spain        |
| ● ● ● India         | ● ● ● South Africa |
| ● ● ● Iran          | ● ● ● Taiwan       |
| ● ● ● Italy         | ● ● ● Thailand     |
| ● ● ● Japan         | ● ● ● Turkey       |
| ● ● ● Canada        | ● ● ● Ukraine      |
| ● ● ● Kazakhstan    | ● ● ● USA          |
| ● ● ● Columbia      | ● ● ● UAE          |
| ● ● ● Korea         | ● ● ● Belarus      |
| ● ● ● Croatia       |                    |



# Service in every detail

## Support from the very beginning

During all phases of the project WIKA remains your competent partner: Starting with planning in the basic and detail engineering, through realisation and implementation of the project, all the way to the after-sales support. WIKA provides ready-to-use instruments for direct implementation.



## Perfect logistics

Our reputation as a reliable partner is not only based on the product quality, but also on our on-time delivery. Whether wooden case or pallets, container shipment or sea-freight packaging, the way you specify it in your packaging instruction is the way WIKA will fulfil this wish.

Our efficient distribution system is supported by our subsidiaries and representative offices around the world. So you can be sure that your consignment will always arrive at the agreed time and at the requested place.

## Acceptance tests

We offer our customers the opportunity to perform acceptance tests on WIKA products prior to delivery. This increases the security of the product coordination. This means that you can be sure that all instruments will arrive at the place of use in excellent condition.



## Tag signs

The measuring point numbers required within the project business can be engraved onto stainless steel tags or onto flanges. Furthermore, they can be printed onto adhesive labels or guage dials.



## Extensive documentation

Not only can we prepare data sheets, dimensional drawings and operating instructions especially for your project, but we can also provide material certificates, product certificates, quality plans, welding procedure tests, PMI tests, etc. To your design, in many languages and in either digital or print format.

The WIKA standard documentation complies with the legal conditions of acceptance (in paper format and/or as a navigable CD-ROM).

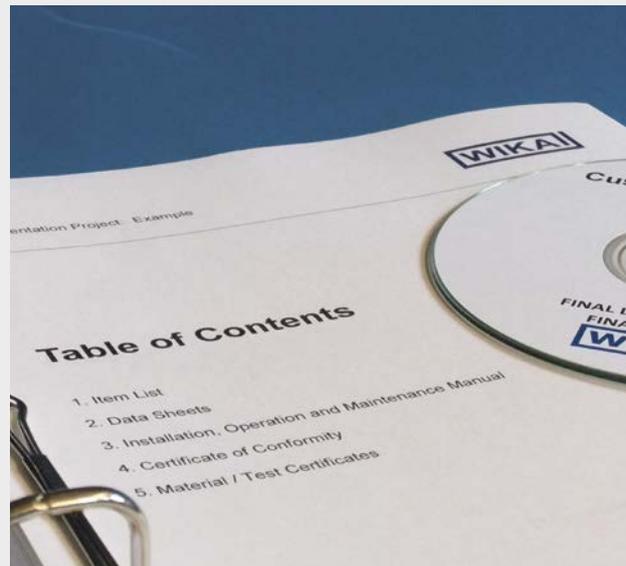
Our individual documents are constantly updated. They are subject to the “product lifecycle” (further development of the existing product). The clear assignment of documentation to the production order at the time of manufacture is ensured.

WIKA provides these documents in many languages and in the desired quantity.

### Customer-specific designs

Of course we can also provide the documentation according to your requirements:

- Customer logo
- Cover sheet layout
- Ring binders
- Sequence
- Further documentation



## Versatility and flexibility

Both the breadth and depth of the product range offers you a large selection of measurement solutions. The WIKA programme is divided into a number of product lines and is thus suited to the widest range of applications.

In addition, many instruments can be combined with each other or can be extended, for example with diaphragm seals, capillaries or thermowells.

### Pressure measurement



#### Electronic pressure measurement

WIKA offers a complete range of electronic pressure measuring instruments: pressure sensors, pressure switches, pressure transmitters and process transmitters for the measurement of gauge, absolute and differential pressure. Our pressure measuring instruments are available in the measuring ranges 0 ... 0.6 mbar to 0 ... 15,000 bar.

#### Mechatronic pressure measurement

Within our measuring instruments, we use the latest sensors, tested in automotive applications millions of times over. They work without any kind of mechanical contact, consequently they are wear-free and have absolutely no influence on the instrument movement.

#### Mechanical pressure measurement

Indicating pressure gauges for gauge, absolute and differential pressure with Bourdon tube, diaphragm or capsule pressure elements have been tested millions of times over. These instruments cover scale ranges from 0 ... 0.5 mbar to 0 ... 7,000 bar and indication accuracies of up to 0.1 %.

#### Diaphragm seals

WIKA diaphragm seals, mounted with pressure gauges, pressure transducers, pressure transmitters etc., are recognised and valued internationally for the most difficult of measuring tasks. The measuring instruments can thus be used at extreme temperatures (-90 ... +400 °C) and with aggressive, corrosive, heterogeneous, abrasive, highly viscous or toxic media.



## Temperature measurement



### Electrical temperature measurement

Our range of products includes thermocouples, resistance thermometers (also with on-site display), temperature switches as well as analogue and digital temperature transmitters for all industrial applications. Measuring ranges from  $-200$  to  $+1,600$  °C are covered.

### Mechatronic temperature measurement

As a result of the integration of switch contacts and output signals into our mechanical temperature measuring instruments, we can offer a wide variety of combined instruments.

### Mechanical temperature measurement

The mechanical temperature measuring instruments work on the bimetal, expansion or gas actuation principle and cover scale ranges from  $-200$  ...  $+700$  °C. All thermometers are suited for operation in a thermowell if necessary.

### Thermowells

So that thermometers can work even under extreme process loads, we offer a wide range of thermowells. The thermowells can also be supplied in special materials such as Hastelloy or titanium, with tantalum linings or with E-CTFE/PFA coatings. As an engineering service, we offer thermowell calculations in accordance with ASME PTC 19.3 or Dittrich/Klotter.



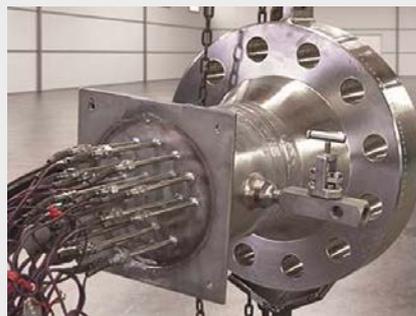


## Tubeskin temperature measurements



Gayesco is the world leader in temperature measurement technology for furnace and reactor applications. The company was integrated into the WIKA Group in 2012.

- Invented Radial Temperature Profiling in 1986
- In refineries since 1988; the first 240 points still in operation
- Over 60,000 points in service worldwide
- Installed in more than 1,500 reactors
- 90 % of new hydrocrackers worldwide
- 78 % of new hydrotreaters worldwide
- Accepted by all major licensors



### The product range covers

- RTD's & thermocouples
- Thermowells
- Tubeskin thermocouples
- Multipoint assemblies
- Pipewells & assemblies
- Reactor thermocouples
- Pilot light detection
- Quality and value

Gayesco fully understands the safety features required

Gayesco has experience and expertise to understand best practices for routing

### Application areas

- Hydrocrackers
- Hydrotreaters
- FCCs
- Catalytic reformers
- Crude units
- Isom units
- Sulphur plants



## Level measurement

Since 2008, WIKA now also offers a wide range of level measuring instruments for temperatures up to 450 °C or pressure ranges up to 400 bar. A major part of the development is applied to individual solutions for the widest variety of applications in the chemical, pharmaceutical, offshore and petroleum, shipbuilding, and food industries, as well as for machine and plant building, water treatment plants and increasingly for the large environmental engineering sector.

WIKA offers a comprehensive range of bypass level indicators, level measurement sensors, permanent magnet float switches and opto-electronic switches for temperatures up to 450 °C, densities from 400 kg/m<sup>3</sup> and pressure ranges up to 420 bar.

## Calibration technology

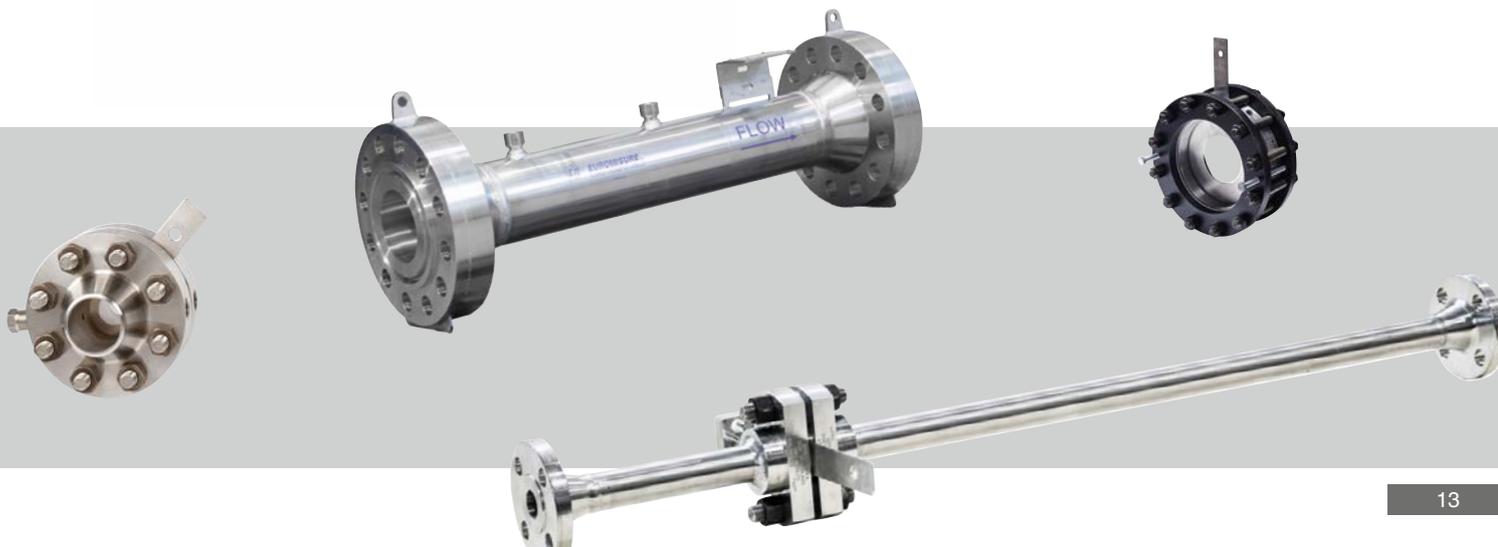
WIKA offers a broad product range of calibration instruments for the physical units of measurement for pressure and temperature, and for electrical measurands. Numerous patents ensure unmatched performance from many of our calibration instruments. The range of services covers the calibration of pressure and temperature measuring instruments in our accredited DKD/DAkkS calibration laboratories and a mobile service to calibrate your instruments on site.





### Primary flow elements

Our portfolio for primary flow elements includes orifice plates, meter runs, flow nozzles, Venturi tubes, pitot tubes and restriction orifices. With our extensive product range we are in a position to cover almost all industrial applications. Customised solutions can be developed to meet your specific needs.



# WIKA supplies products for the most diverse sectors of industry

Whether a component manufacturer or an industrial plant engineering company, whether national or international, there is always the right solution for your particular application in our product portfolio:

## Component manufacturer

- Generators
- Boilers
- Transformers
- Turbines
- Compressors
- Pumps
- Pipeline systems
- Exhaust gas systems

## Plant contractors

- Petrochemical industry (up- and downstream)
- Offshore industry
- Sanitary applications, pharmaceutical industry
- Chemical industry
- Power engineering
- Solar technology
- Water treatment
- Shipbuilding industry



# We are looking forward to your challenge

Wherever in the the world, we are always ready to serve you personally. Let us know your requirements and profit from our decades of experience.



**Simon Duffus**  
Project Manager,  
WIKA Great Britain

20 years of experience in  
the project business

*“Our extensive portfolio covers the needs of all the major distinguished companies. Based on the quality of our products, services and expertise, WIKA is your ideal partner for solutions in the field of pressure, temperature and level measurement and also calibration.”*



**Shawnn Liew**  
Project Manager,  
WIKA Malaysia

15 years of experience in  
the project business

*“Our main goal is to meet our customers' expectations in the best way possible, and to improve our performance continually.”*



**Kevin Vu**  
Project Manager,  
WIKA Canada

17 years of experience in  
the project business

*“One of WIKA's company principles is to fulfil our customers' current demands and expectations, to anticipate their future requirements and at all times to develop the quality of our products and services.”*



**Rudi Deckelmann**  
Project Manager, WIKA  
Germany

18 years of experience in  
the project business

*“For years, our qualified team has managed the international project business at the highest level. Through our extensive network of project teams, we can offer this service worldwide. Part of your business - your requirements are our priority.”*

**Talk to us.**

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