

# Electronic pressure measuring instruments



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Fully automatic production of measuring instruments



The modern high-bay warehouse ensures efficient logistics

# Ability to meet any challenge

## Our knowledge for your success

In the course of the last six decades the name WIKA has become a symbol for sophisticated solutions in the field of pressure and temperature measurement.

Our ever increasing ability is the basis for implementation of innovative technologies in the form of reliable products and efficient system solutions.

We owe our leading position in the world market to the consistent dedication towards premium quality, to which, today, 7,300 employees of the WIKA group of companies are committed. More than 500 experienced sales staff ensure that our customers are individually and competently advised and looked after from the outset. Anywhere and any time.

## Certified quality

The WIKA quality assurance management system has been certified in accordance with ISO 9001 since 1994. The quality and safety standards of our company meet the standard systems of several countries.

## Made by WIKA

The development and high-tech production in our owned modern production facilities (Germany, Brazil, China, India, Canada, Poland, Switzerland, South Africa and USA) is the best warranty for our flexibility.

Whether SMD automatic insertion machines, CNC automatic machining centres, welding robots, laser welding, sputterers, thermotransfer printing or thin film production - we exploit all possibilities to achieve above-average results. And the end result: More than 43 million quality products are delivered year in, year out, in more than 100 countries. Worldwide, approximately 350 million WIKA measuring instruments are in use.



DKD/DAkkS accredited calibration laboratories for pressure and temperature

# WIKA product lines

The WIKA programme covers the following product lines for various fields of application.

## 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. These instruments come supplied with standardised current or voltage output signals also intrinsically safe per ATEX or with flameproof enclosure, interfaces and protocols for various field buses. Whether ceramic thick film, metal thin film or piezo-resistive, WIKA is the leading manufacturer worldwide that develops and produces the full range of today's leading sensor technologies.

## Mechatronic pressure measurement

As a result of the almost unlimited options for different combinations of mechanical and electrical connections, an extraordinary range of instrument variants is possible. Various digital and analogue output signals are also available for these measuring instruments.

For our measuring instruments we use latest sensors, tested in automotive applications millions of times over. They work without any kind of mechanical contact, consequently they are wear-resistant, and there's absolutely no influence on the mechanics.

## Mechanical pressure measurement

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

## Diaphragm seals

WIKA diaphragm seals, fitted 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 aggressive, corrosive, heterogeneous, abrasive, highly viscous or toxic media. The optimal diaphragm seal designs, materials and filling media are available for each application.

## 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, covering measuring ranges from -200 ... +1,600 °C.

## 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. With switch contacts the pointer position triggers a change-over. Electrical output signals are realised via an additional, independent sensor circuit resistance thermometer or thermocouple.

## 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 as required.

## Level measurement

WIKA has a comprehensive range of level measuring instruments available for temperatures up to 450 °C, specific gravity from 400 kg/m<sup>3</sup> and pressure ranges up to 420 bar. This includes standard instruments and customised products.

## Calibration technology

WIKA offers a broad product spectrum of calibration instruments for the physical measured values of pressure and temperature, and for electrical measured values. A multitude of specific patents ensure unmatched performance characteristics with many of our calibration instruments. The range of services comprises 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.

# Pressure transmitters for industrial applications

## A-10

For common needs



Non-linearity ( $\pm$  % of span):  $\leq 0.25$  or  $\leq 0.5$  BFSL

Measuring range:

- 0 ... 1 to 0 ... 600 bar
- 0 ... 1 to 0 ... 25 bar abs.
- -1 ... 0 to -1 ... +24 bar

Special feature:

- Compact design
- Free test certificate
- 2 million possible variants

Data sheet: PE 81.60

## S-20

For superior needs



Non-linearity ( $\pm$  % of span):  $\leq 0.125$ , 0.25 or 0.5 % BFSL

Measuring range:

- 0 ... 0.4 to 0 ... 1.600 bar
- 0 ... 0.4 to 0 ... 40 bar abs.
- -1 ... 0 to -1 ... +59 bar

Special feature:

- Extreme operating conditions
- Customer-specific variants
- Free test certificate

Data sheet: PE 81.61

## O-10

OEM version



Non-linearity ( $\pm$  % of span):  $\leq 0.5$  BFSL

Measuring range:

- 0 ... 6 to 0 ... 600 bar
- -1 ... +5 to -1 ... +59 bar

Special feature:

- For OEM volumes
- Customer-specific variants

Data sheet: PE 81.65

# Pressure transmitters with special features

## S-11

For viscous and particulates-  
containing media



Non-linearity ( $\pm$  % of span):  $\leq 0.2$  BFSL

Measuring range:

- 0 ... 0.1 to 0 ... 600 bar
- 0 ... 0.25 to 0 ... 16 bar abs.
- -1 ... 0 to -1 ... +24 bar

Special feature:

- Flush process connection
- Medium temperature up to 150 °C
- Zero point and span adjustable
- Comprehensive stocks

Data sheet: PE 81.02

## HP-2

For highest pressure applications



Accuracy ( $\pm$  % of span):  $\leq 0.25$  or 0.5

Measuring range: 0 ... 1,600 to 0 ... 15,000 bar

Special feature:

- Very high long-term stability
- Excellent load cycle stability
- Cavitation protection (optional)

Data sheet: PE 81.53

## P-30

With high precision



Accuracy ( $\pm$  % of span):  $\leq 0.1$  or 0.05

Measuring range:

- 0 ... 0.25 to 0 ... 1,000 bar
- 0 ... 0.25 to 0 ... 25 bar abs.
- -1 ... 0 to -1 ... +15 bar

Special feature:

- No additional temperature error in the range 10 ... 60 °C
- Flush process connection (optional)
- Analogue, CANopen® or USB

Data sheet: PE 81.54

## D-10

With digital output (RS-232)



Accuracy ( $\pm$  % of span):  $\leq 0.1$  or  $\leq 0.05$

Measuring range:

- 0 ... 0.25 to 0 ... 1,000 bar
- 0 ... 0.25 to 0 ... 16 bar abs.
- -0.25 ... 0 to -1 ... +25 bar

Special feature:

- No additional temperature error in the range 0 ... 50 °C
- Free communication software EasyCom
- Flush process connection (optional)

Data sheet: PE 81.33

## D-10-7

With PROFIBUS® DP interface



Accuracy ( $\pm$  % of span):  $\leq 0.1$  or  $\leq 0.25$

Measuring range:

- 0 ... 0.25 to 0 ... 1,000 bar
- 0 ... 0.25 to 0 ... 16 bar abs.
- -0.25 ... 0 to -1 ... 0 bar

Special feature:

- No additional temperature error in the range 0 ... 50 °C
- Intelligent sensors with filter, calibration and diagnostic functions
- Flush process connection (optional)

Data sheet: PE 81.30

# Pressure transmitters with special features

## IS-20

### Intrinsically safe



Accuracy (% of span):  $\leq 0.5$

Measuring range:   
 ■ 0 ... 0.1 to 0 ... 6,000 bar   
 ■ 0 ... 0.25 to 0 ... 25 bar abs.

Special feature:   
 ■ Further worldwide Ex approvals   
 ■ High-pressure version (optional)   
 ■ Flush process connection (optional)   
 ■ Suitable for SIL 2 per IEC 61508/IEC 61511

Data sheet: PE 81.50, PE 81.52 (ship approval)   
 PE 81.51 (high pressure)

## N-10

### Non-incendive



Accuracy (% of span):  $\leq 0.5$

Measuring range:   
 ■ 0 ... 0.1 to 0 ... 1,000 bar   
 ■ 0 ... 0.25 to 0 ... 25 bar abs.

Special feature:   
 ■ Low-power version   
 ■ Flush process connection (optional)

Data sheet: PE 81.26

## E-10, E-11

### With flameproof enclosure



Accuracy (% of span):  $\leq 0.5$

Measuring range:   
 ■ 0 ... 0.4 to 0 ... 1,000 bar   
 ■ 0 ... 0.4 to 0 ... 16 bar abs.

Special feature:   
 ■ Low-power version   
 ■ For acid gas applications (NACE)   
 ■ Flush process connection (optional)

Data sheet: PE 81.27

# Pressure transmitters for selected markets

## MH-2

For mobile hydraulics



Accuracy ( $\pm$  % of span):  $\leq 1$

Measuring range: 0 ... 40 to 0 ... 600 bar

Special feature:

- Excellent reliability of supply and quality to ISO/TS 16949 and ISO 14001
- For extreme operating conditions
- Compact and robust design

Data sheet: PE 81.37

## MH-1

For mobile hydraulics



Accuracy ( $\pm$  % of span):  $\leq 0.5$  BFSL

Measuring range: 0 ... 60 bar to 0 ... 600 bar

Special feature:

- Extremely shock and vibration resistant
- Resistant to pressure spikes

Data sheet: PE 81.21

## MHC-1

For mobile hydraulics



Accuracy (% of span):  $\leq 1$  or 0.5

Measuring range: 0 ... 60 bar to 0 ... 1,000 bar

Special feature:

- Tested for harsh environmental conditions
- Robust instrument design
- Version with integrated Y-connector
- CANopen® and J1939 output signals

Data sheet: PE 81.49

## AC-1

For refrigeration and air-conditioning applications



Accuracy ( $\pm$  % of span):  $\leq 2$

Measuring range:

- 0 ... 6 to 0 ... 60 bar
- -1 ... +7 to -1 ... +45 bar

Special feature:

- Special case design for the best possible condensation tightness
- Resistant against the major refrigerants

Data sheet: PE 81.46

## R-1

For refrigeration and air-conditioning applications



Accuracy ( $\pm$  % of span):  $\leq 2$

Measuring range:

- 0 ... 6 to 0 ... 160 bar
- -1 ... +7 to -1 ... +45 bar

Special feature:

- Special case design for the best possible condensation tightness
- Resistant to all common refrigerants

Data sheet: PE 81.45

# Pressure transmitters for selected markets

## MG-1

For medical gases



Accuracy ( $\pm$  % of span):  $\leq 2$

Measuring range:   
 ■ 0 ... 6 to 0 ... 400 bar  
 ■ -1 ... +6 bar

Special feature: Cleaned, packed and labelled for oxygen per international standards

Data sheet: PE 81.44

## SA-11

For hygienic processes



Accuracy ( $\pm$  % of span):  $\leq 0.5$  or  $\leq 0.25$

Measuring range:   
 ■ 0 ... 0.25 to 0 ... 25 bar  
 ■ 0 ... 0.25 to 0 ... 16 bar abs.  
 ■ -1 ... 0 to -1 ... +24 bar

Special feature:   
 ■ Flush diaphragm with a surface roughness of  $R_a < 0.4 \mu\text{m}$   
 ■ All welded

Data sheet: PE 81.80

## C-2

For air compressors



Accuracy ( $\pm$  % of span):  $\leq 2$  or 1

Measuring range:   
 ■ 0 ... +6 to 0 ... +60 bar  
 ■ -1 ... +10 to -1 ... +45 bar

Special feature:   
 ■ Robust design  
 ■ Compact design  
 ■ Long service life and high reliability

Data sheet: PE 81.47

# Pressure switches

## PSD-30, PSD-31

Electronic pressure switch with display



TSD-30 LSD-30



Accuracy (% of span):  $\leq 1$

Measuring range:   
 ■ 0 ... 1 to 0 ... 600 bar  
 ■ 0 ... 1 to 0 ... 25 bar abs.  
 ■ -1 ... 0 to -1 ... +24 bar

Special feature:   
 ■ Easily-readable, robust display  
 ■ Intuitive and fast setup  
 ■ Easy and flexible mounting configurations  
 ■ Flush process connection (optional)  
 ■ For temperature and level switches see [www.wika.de/hatrick](http://www.wika.de/hatrick)

Data sheet: PE 81.67

## PSA-31

Electronic pressure switch with display for sanitary applications



Accuracy of analogue signal (% of span):  $\leq 1$

Measuring range:   
 ■ 0 ... 1 to 0 ... 25 bar  
 ■ 0 ... 1 to 0 ... 25 bar abs.  
 ■ -1 ... 0 to -1 ... +24 bar

Special feature:   
 ■ Easily-readable, robust display  
 ■ Intuitive and fast setup  
 ■ Easy and flexible mounting configurations

Data sheet: PE 81.85



# Submersible pressure transmitters

## LS-10

### Standard version



Accuracy ( $\pm$  % of span): 0.5  
 Measuring range: 0 ... 0.25 to 0 ... 10 bar  
 Data sheet: PE 81.55

## IL-10

### Intrinsically safe



Accuracy ( $\pm$  % of span): 0.25 or 0.5  
 Measuring range: 0 ... 0.1 to 0 ... 25 bar  
 Special feature:  Hastelloy design (optional)  
                    Highly resistive FEP cable (optional)  
 Data sheet: PE 81.23

## LH-20

### High performance



Non-linearity ( $\pm$  % of span):  $\leq$  0.2 or 0.1  
 Measuring range:  0 ... 0.1 to 0 ... 25 bar  
                        0 ... 1.6 to 0 ... 25 bar abs.  
 Special feature:  Slender design  
                        Adjustable turndown (optional)  
                        Resistant against the harshest environmental conditions  
                        Reliable and secure by double-sealed design  
                        Titanium case for especially high resistance (optional)  
 Data sheet: PE 81.56

# Digital pressure gauges

## DG-10

Digital pressure gauge for general industrial applications



Accuracy: (% of span):  $\leq 0.5 \pm 1$  digit

Measuring range:   
 ■ 0 ... 2 to 0 ... 600 bar   
 ■ -1 ... +2 to -1 ... +10 bar

Special feature:   
 ■ Robust stainless steel case, nominal size 80 mm   
 ■ Multi-functional display   
 ■ Efficient energy management

Data sheet: PE 81.66

## CPG500

Digital pressure gauges



Accuracy (% of span): 0.25 % FS +1 digit

Measuring range:   
 ■ 0 ... 60 to 0 ... 1000 bar   
 ■ -1 ... +20 to -1 ... +40 bar

Special feature:   
 ■ Robust case with protective rubber cap   
 ■ Simple operation using four buttons

Data sheet: CT 09.01

## CPG1000

Digital pressure gauge for precision measurements



Accuracy ( $\pm$  % of span):  $\leq \pm 0.05$

Measuring range:   
 ■ 0 ... 0.07 to 0 ... 700 bar   
 ■ 0 ... 1 to 0 ... 20 bar abs.

Special feature:   
 ■ Robust stainless steel case with protection cap   
 ■ Integrated data logger

Data sheet: CT 10.01

# Process transmitters

## UT-10, UT-11

### Universal pressure transmitter, standard version



|                            |   |
|----------------------------|---|
| Non-linearity (% of span): | ≤ 0.1   |
| Output signal:             | 4 ... 20 mA   |
| Measuring range:           | <ul style="list-style-type: none"> <li>■ 0 ... 0.4 to 0 ... 4,000 bar</li> <li>■ 0 ... 0.4 to 0 ... 16 bar abs.</li> <li>■ -1 ... 0 to -1 ... +15 bar</li> </ul>                                    |
| Special feature:           | <ul style="list-style-type: none"> <li>■ Freely scaleable measuring ranges (turndown to 20 : 1)</li> <li>■ Case from plastic or aluminium</li> <li>■ Flush process connection (optional)</li> </ul> |
| Data sheet:                | PE 86.01  |

## IUT-10, IUT-11

### Universal pressure transmitter, intrinsically safe version



|                            |   |
|----------------------------|---|
| Non-linearity (% of span): | ≤ 0.1   |
| Output signal:             | 4 ... 20 mA or with HART® protocol (optional)   |
| Measuring range:           | <ul style="list-style-type: none"> <li>■ 0 ... 0.4 to 0 ... 4,000 bar</li> <li>■ 0 ... 0.4 to 0 ... 16 bar abs.</li> <li>■ -1 ... 0 to -1 ... +15 bar</li> </ul>                                    |
| Special feature:           | <ul style="list-style-type: none"> <li>■ Freely scaleable measuring ranges (turndown to 20 : 1)</li> <li>■ Case from plastic or aluminium</li> <li>■ Flush process connection (optional)</li> </ul> |
| Data sheet:                | PE 86.02  |

## IPT-10, IPT-11

### Process pressure transmitter, intrinsically safe or with flameproof enclosure



|                            |  |
|----------------------------|--|
| Non-linearity (% of span): | ≤ 0.075 ... 0.1  |
| Output signal:             | 4 ... 20 mA, HART® protocol (optional), PROFIBUS® PA, FOUNDATION™ fieldbus   |
| Measuring range:           | <ul style="list-style-type: none"> <li>■ 0 ... 0.1 to 0 ... 4,000 bar</li> <li>■ 0 ... 0.1 to 0 ... 60 bar abs.</li> <li>■ -1 ... 0 to -1 ... +60 bar</li> </ul>   |
| Special feature:           | <ul style="list-style-type: none"> <li>■ Freely scaleable measuring ranges (turndown to 30 : 1)</li> <li>■ Case from plastic, aluminium or stainless steel</li> <li>■ Flush process connection (optional)</li> <li>■ With integrated display and mounting bracket for wall/pipe mounting (optional)</li> </ul> |
| Data sheet:                | PE 86.11   |

## DPT-10

### Differential pressure transmitter, intrinsically safe or with flameproof enclosure



|                            |  |
|----------------------------|--|
| Non-linearity (% of span): | ≤ 0.075 ... 0.15   |
| Output signal:             | 4 ... 20 mA, HART® protocol (optional), PROFIBUS® PA, FOUNDATION™ fieldbus   |
| Measuring range:           | 0 ... 10 mbar to 0 ... 40 bar  |
| Special feature:           | <ul style="list-style-type: none"> <li>■ Freely scaleable measuring ranges (turndown to 30 : 1)</li> <li>■ Static load 160 bar, optionally 420 bar</li> <li>■ Case from plastic, aluminium or stainless steel</li> <li>■ With integrated display and mounting bracket for wall/pipe mounting (optional)</li> </ul> |
| Data sheet:                | PE 86.21   |

# Accessories

## A-AS-1

LED attachable indicator with switching outputs  
38 x 29 mm



|               |   |
|---------------|---|
| Input:        | <ul style="list-style-type: none"> <li>■ 4 ... 20 mA, 2-wire</li> <li>■ DC 0 ... 5 V, 3-wire</li> <li>■ DC 0 ... 10 V, 3-wire</li> </ul>                            |
| Power supply: | <ul style="list-style-type: none"> <li>■ DC 16 ... 30 V for 4 ... 20 mA</li> <li>■ DC 15 ... 30 V for 0 ... 10 V</li> <li>■ DC 10 ... 30 V for 0 ... 5 V</li> </ul> |
| Data sheet:   | AC 80.09  |

## WUR-1

LED attachable indicator with switching outputs, ultra high purity  
38 x 29 mm



|                       |   |
|-----------------------|---|
| Accuracy (% of span): | ≤ 0.5   |
| Measuring range:      | 0 ... 2 bar to 0 ... 400 bar abs.   |
| Power supply:         | <ul style="list-style-type: none"> <li>■ DC 16 ... 30 V for 4 ... 20 mA</li> <li>■ DC 15 ... 30 V for 0.1 ... 10.1 V</li> <li>■ DC 10 ... 30 V for 0.1 ... 5.1 V</li> </ul>           |
| Special feature:      | <ul style="list-style-type: none"> <li>■ Top-view or front-view version</li> <li>■ Up to 2 switching outputs configurable</li> <li>■ 5 different pressure units adjustable</li> </ul> |
| Data sheet:           | PE 87.20  |

## A-AI-1, A-IAI-1

LCD attachable indicator,  
50 x 50 mm



|                  |   |
|------------------|---|
| Input:           | 4 ... 20 mA, 2-wire                       |
| Power supply:    | From the 4 ... 20 mA current loop         |
| Special feature: | Model A-IAI-1 intrinsically safe per ATEX |
| Data sheet:      | AC 80.07                                  |

## DI10

For panel mounting,  
current loop display,  
96 x 48 mm



|                  |                                   |
|------------------|-----------------------------------|
| Input:           | 4 ... 20 mA, 2-wire               |
| Alarm output:    | 2 electronic contacts (optional)  |
| Special feature: | Wall-mounting case (optional)     |
| Power supply:    | From the 4 ... 20 mA current loop |
| Data sheet:      | AC 80.06                          |

## DI15

For panel mounting,  
48 x 24 mm



|               |  |
|---------------|--|
| Input:        | Multi-function input for resistance thermometers, thermocouples and standard signals |
| Alarm output: | 2 electronic contacts  |
| Power supply: | DC 9 ... 28 V  |
| Data sheet:   | AC 80.01   |

## DI25

For panel mounting,  
96 x 48 mm



|                  |   |
|------------------|---|
| Input:           | Multi-function input for resistance thermometers, thermocouples and standard signals                        |
| Alarm output:    | ■ 3 relays  |
| Special feature: | ■ Integrated transmitter power supply (optional, replaces one relay)<br>■ Analogue output signal (optional) |
| Power supply:    | ■ AC 100 ... 240 V<br>■ AC/DC 24 V  |
| Data sheet:      | AC 08.02  |

## DI30

For panel mounting,  
96 x 96 mm



|                  |  |
|------------------|--|
| Input:           | Standard signals   |
| Alarm output:    | 2 relays   |
| Special feature: | ■ Integrated transmitter power supply<br>■ Wall-mounting case (optional) |
| Power supply:    | AC 230 V or AC 115 V   |
| Data sheet:      | AC 80.05   |

## DI35

For panel mounting,  
96 x 48 mm



|                  |  |
|------------------|--|
| Input:           | ■ Multi-function input for resistance thermometers, thermocouples and standard signals<br>■ Alternatively double input for standard signals with calculation function (+ - x /) for two transmitters |
| Alarm output:    | ■ 2 or 4 relays (optional)   |
| Special feature: | ■ Integrated transmitter power supply (optional)<br>■ Analogue output signal (optional)  |
| Power supply:    | ■ AC 230 V<br>■ AC 115 V or DC 24 V  |
| Data sheet:      | AC 80.03   |

## DIH10

Connection head with digital  
indicator



|               |  |
|---------------|--|
| Input:        | 4 ... 20 mA                                    |
| Power supply: | Power supply from the 4 ... 20 mA current loop |

## GCS-1

Gas cylinder scale



|                       |   |
|-----------------------|---|
| Accuracy (% of span): | 0.1   |
| Dimensions:           | 9.25 x 9.25 x 1.35" (235 x 235 x 35 mm)   |
| Measuring range:      | ■ 0...60 lbs (27.22 kg)<br>■ 0...100 lbs (45.36 kg)<br>■ 0...300 lbs (136.08 kg)                      |
| Special feature:      | ■ ATEX zone 2 nL approval<br>■ Meets the highest EMC requirements<br>■ High ingress protection, IP 65 |
| Data sheet            | PE 87.19  |

# Accessories

## Adapters and sealings



## Cables



## Mating connectors



## Welding sockets and cooling elements



## Software



## Power supply units and Ex transmitter supply isolators



# The right solution

Top technology directly from the manufacturer - Made in Germany

## Metal thin film

### Pressure sensors



Accuracy (% of span):  $\leq 0.1 \dots 0.5$

Measuring range: 0 ... 10 to 0 ... 1,000 bar

Special feature:

- Excellent resistance to media
- Very good pressure spike and burst pressure safety

## Ceramic thick film

### Pressure sensors



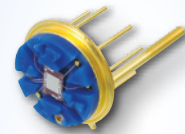
Accuracy (% of span):  $\leq 0.5 \dots 0.75$

Measuring range: 0 ... 2 to 0 ... 100 bar

Special feature: Excellent resistance to media

## Piezo chip

### Pressure sensors



Accuracy (% of span):  $\leq 0.1 \dots 0.5$

Measuring range: 0 ... 0.35 to 0 ... 20 bar

Special feature:

- Relative and absolute pressure measurement
- High output signal
- High overpressure safety

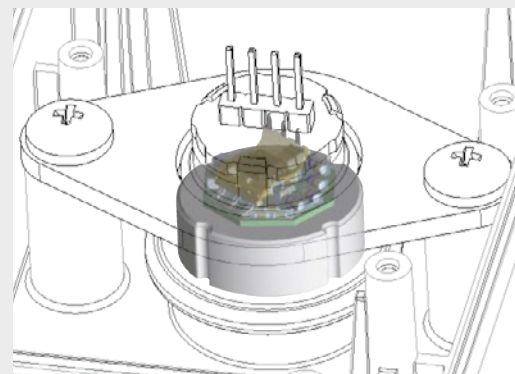
### Your benefit:

As a leading manufacturer of the three most important sensor technologies, we have the perfect sensor for your individual application. From the idea to series production - everything from one source.

### Our know-how for your projects

We see ourselves not only as a provider of top quality measurement technology, but also as a highly competent partner that is able to create individually designed solutions together with you.

We are ready to develop products for you that are tailor made to cater for your individual needs.



Example for an individual solution with ceramic thick-film sensor

With 7,300 employees worldwide we are able to professionally service and fulfill even major projects and complex development tasks. In all WIKA subsidiaries worldwide our customers are optimally supported.

More than 60 years of experience have made us one of the leading companies for pressure and temperature measurement. Experience - from which you can benefit too.

**Create your perfect pressure sensor solution together with us.**

**Talk to us. Your challenge is our commitment.**

# WIKA worldwide

## Europe

**Austria**  
WIKA Messgerätevertrieb  
Ursula Wiegand GmbH & Co. KG  
Perfektastr. 83  
1230 Vienna  
Tel. +43 1 8691631  
Fax: +43 1 8691634  
info@wika.at  
www.wika.at

**Belarus**  
WIKa Belarus  
Ul. Zaharova 50B, Office 3H  
220088 Minsk  
Tel. +375 17 2945711  
Fax: +375 17 2945711  
info@wika.by  
www.wika.by

**Benelux**  
WIKa Benelux  
Industrial estate De Berk  
Newtonweg 12  
6101 WX Echt  
Tel. +31 475 535500  
Fax: +31 475 535446  
info@wika.nl  
www.wika.nl

**Bulgaria**  
WIKa Bulgaria EOOD  
Akad.Ivan Geshov Blvd. 2E  
Business Center Serdika, office 3/104  
1330 Sofia  
Tel. +359 2 82138-10  
Fax: +359 2 82138-13  
info@wika.bg  
www.wika.bg

**Croatia**  
WIKa Croatia d.o.o.  
Hrastovicka 19  
10250 Zagreb-Lucko  
Tel. +385 1 6531-034  
Fax: +385 1 6531-357  
info@wika.hr  
www.wika.hr

**Finland**  
WIKa Finland Oy  
Melkonkatu 24  
00210 Helsinki  
Tel. +358 9 682492-0  
Fax: +358 9 682492-70  
info@wika.fi  
www.wika.fi

**France**  
WIKa Instruments s.a.r.l.  
Parc d'Affaires des Bellevues  
8 rue Rosa Luxembourg  
95610 Eragny-sur-Oise  
Tel. +33 1 343084-84  
Fax: +33 1 343084-94  
info@wika.fr  
www.wika.fr

**Germany**  
WIKa Alexander Wiegand SE & Co. KG  
Alexander-Wiegand-Str. 30  
63911 Klingenberg  
Tel. +49 9372 132-0  
Fax: +49 9372 132-406  
info@wika.de  
www.wika.de

**Italy**  
WIKa Italia Srl & C. Sas  
Via G. Marconi 8  
20020 Arese Milano  
Tel. +39 02 93861-1  
Fax: +39 02 93861-74  
info@wika.it  
www.wika.it

**Poland**  
WIKa Polska S.A.  
Ul. Legska 29/35  
87-800 Wloclawek  
Tel. +48 54 230110-0  
Fax: +48 54 230110-1  
info@wikapolska.pl  
www.wikapolska.pl

**WIKa Alexander Wiegand SE & Co. KG**  
Alexander-Wiegand-Straße 30 · 63911 Klingenberg · Germany  
Tel. +49 9372 132-0 · Fax +49 9372 132-406  
info@wika.de · www.wika.de

## North America

**Canada**  
WIKa Instruments Ltd.  
Head Office  
3103 Parsons Road  
Edmonton, Alberta, T6N 1C8  
Tel. +1 780 4637035  
Fax: +1 780 4620017  
info@wika.ca  
www.wika.ca

**Mexico**  
Instrumentos WIKa Mexico  
S.A. de C.V.  
Vienna 20 Ofina 301  
Col. Juarez, Del. Cuauhtemoc  
06600 Mexico D.F.  
Tel. +52 55 50205300  
Fax: +52 55 50205300  
ventas@wika.com  
www.wika.com.mx

**USA**  
WIKa Instrument, LP  
1000 Wiegand Boulevard  
Lawrenceville, GA 30043  
Tel. +1 770 5138200  
Fax: +1 770 3385118  
info@wika.com  
www.wika.com

WIKa Process Solutions, LP  
950 Hall Court  
Deer Park, TX 77536  
Tel. +1 713 47500-22  
Fax: +1 713 47500-11  
info@wika.com  
www.wika.com

Mensor Corporation  
201 Barnes Drive  
San Marcos, TX 78666  
Tel. +1 512 396-4200  
Fax: +1 512 396-1820  
sales@mensor.com  
www.mensor.com

## Latin America

**Argentina**  
WIKa Argentina S.A.  
Gral. Lavalle 3568  
(B1603AUH) Villa Martelli  
Buenos Aires  
Tel. +54 11 47301800  
Fax: +54 11 47610050  
info@wika.com.ar  
www.wika.com.ar

**Brazil**  
WIKa do Brasil Ind. e Com. Ltda.  
Av. Ursula Wiegand, 03  
CEP 18560-000 Iperó - SP  
Tel. +55 15 34599700  
Fax: +55 15 32661650  
vendas@wika.de  
www.wika.com.br

**Chile**  
WIKa Chile S.p.A.  
Av. Coronel Pereira 72  
Oficina 101  
Las Condes - Santiago de Chile  
Tel. +56 2 365-1719  
info@wika.cl  
www.wika.cl

**Colombia**  
Instrumentos WIKa Colombia S.A.S.  
Dorado Plaza,  
Avenida Calle 26 No. 85D - 55  
Local 126 y 126 A  
Bogotá - Colombia  
Tel. +57 1 744 3455  
info@wika.co

## Asia

**Azerbaijan**  
WIKa Azerbaijan LLC  
Caspian Business Center  
9th floor 40 J.Jabbarli str.  
AZ1065 Baku  
Tel. +994 12 49704-61  
Fax: +994 12 49704-62  
info@wika.az

**China**  
WIKa Instrumentation Suzhou Co., Ltd.  
Village Kesnand, Wagholi  
Suzhou 215011  
Tel. +86 512 6878 8000  
Fax: +86 512 6809 2321  
info@wika.cn  
www.wika.com.cn

**India**  
WIKa Instruments India Pvt. Ltd.  
Village Kesnand, Wagholi  
Pune - 412 207  
Tel. +91 20 66293-200  
Fax: +91 20 66293-325  
sales@wika.co.in  
www.wika.co.in

**Japan**  
WIKa Japan K. K.  
MG Shibaura Bldg. 6F  
1-8-4, Shibaura, Minato-ku  
Tokyo 105-0023  
Tel. +81 3 5439-6673  
Fax: +81 3 5439-6674  
info@wika.co.jp  
www.wika.co.jp

**Kazakhstan**  
TOO WIKa Kazakhstan  
Raimbekstr. 169, 3rd floor  
050050 Almaty  
Tel. +7 727 2330848  
Fax: +7 727 2789905  
info@wika.kz  
www.wika.kz

**Korea**  
WIKa Korea Ltd.  
569-21 Gasan-dong, Kumcheon-gu  
Seoul 153-771  
Tel. +82 2 86905-05  
Fax: +82 2 86905-25  
info@wika.co.kr  
www.wika.co.kr

**Malaysia**  
WIKa Instrumentation M Sdn. Bhd.  
No. 27 & 29 Jalan Puteri 5/20  
Bandar Puteri Puchong  
47100 Puchong, Selangor  
Tel. +60 3 806310-80  
Fax: +60 3 806310-70  
info@wika.com.my  
www.wika.com.my

**Philippines**  
WIKa Instruments Philippines, Inc.  
Unit 102 Skyway Twin Towers  
351 Capt. Henry Javier St.  
Bgy. Oranbo, Pasig City 1600  
Tel. +63 2 234-1270  
Fax: +63 2 695-9043  
info@wika.com.ph  
www.wika.com.ph

**Singapore**  
WIKa Instrumentation Pte. Ltd.  
13 Kian Teck Crescent  
628878 Singapore  
Tel. +65 6844 5506  
Fax: +65 6844 5507  
info@wika.com.sg  
www.wika.com.sg

**Taiwan**  
WIKa Instrumentation Taiwan Ltd.  
Min-Tsu Road, Pinjen  
32451 Taoyuan  
Tel. +886 3 420 6052  
Fax: +886 3 490 0080  
info@wika.com.tw  
www.wika.com.tw

**Thailand**  
WIKa Instrumentation Corporation  
(Thailand) Co., Ltd.  
850/7 Ladkrabang Road, Ladkrabang  
Bangkok 10520  
Tel. +66 2 32668-73  
Fax: +66 2 32668-74  
info@wika.co.th  
www.wika.co.th

## Africa / Middle East

**Egypt**  
WIKa Near East Ltd.  
Villa No. 6, Mohamed Fahmy  
Elmohdar St. - of Eltayaran St.  
1st District - Nasr City - Cairo  
Tel. +20 2 240 13130  
Fax: +20 2 240 13113  
info@wika.com.eg  
www.wika.com.eg

**Namibia**  
WIKa Instruments Namibia Pty Ltd.  
P.O. Box 31263  
Pionierspark  
Windhoek  
Tel. +26 4 61238811  
Fax: +26 4 61233403  
info@wika.com.na  
www.wika.com.na

**South Africa**  
WIKa Instruments Pty. Ltd.  
P.O. Box 75225  
Gardenvue, 2047  
Tel. +27 11 62100-00  
Fax: +27 11 62100-59  
sales@wika.co.za  
www.wika.co.za

**United Arab Emirates**  
WIKa Middle East FZE  
Warehouse No. RB08JB02  
P.O. Box 17492  
Jebel Ali, Dubai  
Tel. +971 4 883-9090  
Fax: +971 4 883-9198  
info@wika.ae  
www.wika.ae

## Australia

**Australia**  
WIKa Australia Pty. Ltd.  
Unit K, 10-16 South Street  
Rydalmere, NSW 2116  
Tel. +61 2 88455222  
Fax: +61 2 96844767  
sales@wika.com.au  
www.wika.com.au

**New Zealand**  
WIKa Instruments Limited  
Unit 7 / 49 Sainsbury Road  
St Lukes - Auckland 1025  
Tel. +64 9 8479020  
Fax: +64 9 8465964  
info@wika.co.nz  
www.wika.co.nz



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