

Product Digest

Pressure and Temperature Measurement



Part of your business
Pressure and Temperature Measurement

Why WIKA?

WIKA Measures Up!

For over 60 years, WIKA Instrument Corporation has continued to globally advance pressure gauge, sensor and temperature instrumentation technology and applications. As the industry leader in lean manufacturing, WIKA offers a wide variety of stock and customized instrumentation solutions for critical applications that often are distributed within days. Producing over 40 million gauges, diaphragm seals, transmitters and thermometers worldwide annually, WIKA has the most extensive product line in the industry to provide pressure and temperature measurement solutions.

Our staff is ready to share their extensive product and industry knowledge, making your business experience with WIKA more than just buying a commodity. WIKA's commitment to providing customer service at the highest level recently earned the WIKA customer service department the Operational Excellence Award for Leadership from one of North America's leading distributors of industrial maintenance, repair and operation replacement parts.

WIKA's exceptional service to our customers includes:

- U.S.-based manufacturing, sales, customer service and technical support
- Certified technical specialists who perform Best Practice Instrument Reviews for customers and provide performance improvement findings
- An in-house engineering team for product customization and innovation to meet your most challenging application solutions
- Proven capabilities to connect with customers' business processes for ordering and inventory management (supply chain optimization)
- Web-based customer service features (including online quote request, online literature request, competitor product cross reference)
- WIKA online customer center for checking orders, shipping, product availability and lead times



Michael Gerster, President
WIKA Instrument Corporation



USA Manufacturing Facility - Lawrenceville, Georgia

A handwritten signature in black ink, which appears to read "M. Gerster".

Michael Gerster
President

The WIKA Product Digest features a broad overview of the WIKA product line. In addition to the products highlighted within, WIKA offers thousands of different product configurations delivered with the industry's shortest lead times. Please visit www.wika.com for complete product information and datasheets.



Product Digest Highlights

Mechanical Pressure Measurement

WIKA Mechanical Pressure Gauges represent the industry standard and are designed to provide lasting service in extreme operating conditions when properly applied. WIKA has pioneered many innovations over the years, resulting in a gauge for almost every application.

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Differential Pressure Measurement

WIKA Differential Gauges are offered in a wide variety of configurations and operating ranges. Features include rugged machine finished construction, NEMA 4X (standard), and a 7-year warranty.

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Pressure Accessories

WIKA's accessories complete the offering for almost every existing installation requirement. Options include needle valves, gauge cocks, block and bleed valves, snubbers, overpressure protectors, adaptors and couplings.

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Electronic Pressure Measurement

WIKA's TRONIC line offers a full array of general industrial and specifically-designed pressure transmitters and transducers to meet the emerging demands of design-in applications and integrated electronic systems.

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Diaphragm Seals

WIKA has many innovative and patented Diaphragm Seal designs for aggressive, clogging and high temperature media applications. WIKA has the right combination of materials and technology to provide lasting instrumentation operating life.

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Sanitary Assemblies

WIKA Sanitary Seals are designed to meet 3A criteria for pharmaceutical, food and dairy, and biotechnology applications.

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Mechanical Temperature Measurement

WIKA has a full line of Mechanical Thermometers for process and general industrial temperature measurement, including the industry's only "patented" dampened movement bimetal thermometer. All WIKA thermometers are designed to provide lasting value, accuracy and operating life.

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High Precision & Calibration

WIKA offers High Precision Monitors and Calibration Test Equipment for the most demanding accuracy and calibration requirements. Available products include laboratory and point-of-use systems for maintenance, testing, measurement and calibration.

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WIKA Instrument Corporation

WIKA's LeanSigma® Methodology

WIKA understands that customers in today's business environment demand high-quality products and services at competitive prices, customized to individual requirements and with quick deliveries. To better serve our customers' needs, WIKA has embraced a new manufacturing philosophy named LeanSigma®.

Lean manufacturing and business processes utilize a systematic approach to identifying waste through continuous improvement. Lean manufacturing retains only those activities that transform materials and information into the products and services that customers need.

The benefits are:

- ▶ Over 50,000 different product configurations with lead times of only a few days;
- ▶ An industry-leading 1,400 stock items that are readily available to our customers for same day shipping; and
- ▶ Elimination of large inventories to overcome out-of-stock situations.

The result is WIKA having the industry's **shortest** lead times. You will get **exactly** what you want when you need it!

WIKA's OEM Product Offering

WIKA manufactures a complete line of OEM instrumentation to support multiple industries including, but not limited to, medical devices, pumps, compressors, beverage dispensing, HVAC, and hydraulic/pneumatic applications. Additionally, WIKA can fabricate unique product configurations to meet design-in applications including dial artwork, which can be customized with any logo, special scales and critical ranges. All artwork generation and dial printing is made-to-order in our Lawrenceville, GA facility.

WIKA OEM customers do not have to order large quantities to receive customized products delivered quickly. WIKA offers flexible stocking options including Kanban, JIT, or scheduled deliveries. Special box labeling and bar-coding options are also offered to meet OEM requirements. Please contact us to learn more about our customized instrument and packaging capabilities.

WIKA's Customized Dial Printing Capabilities

WIKA's customized printing capabilities are among the best in the industry. WIKA utilizes a wide variety of printing methods to meet any unique requirement, match any PMS color and create custom logo designs for dial artwork. WIKA utilizes proprietary digital printing technology which drastically reduces lead times from days to minutes.

WIKA's NIST Traceable Calibration Lab



WIKA's in-house and traceable NIST Laboratory offers customers maximum precision and quality, certified in accordance with NIST calibration standards. If required, instrumentation products will receive a NIST Certificate of Calibration to verify that a product is within its stated tolerance of accuracy.

Mechanical and electronic pressure measuring instruments, deadweight testers as well as temperature sensors and temperature measuring instruments, resistance thermometers or dry well calibrators can all be calibrated and certified by WIKA.

WIKA's World-Class Customer Service

WIKA's dedication to providing responsive customer care is unparalleled. WIKA's in-house technical team and engineers are available to develop customer-specific solutions. Each employee receives in-depth training on our extensive product lines along with the principles of customer service. Combining engineering innovation, courteous service, quality and timeliness, we have mastered these elements to meet your individual requirements.



Your Customer Support Team

WIKA's Distribution Network

In combination with WIKA's extensive product line is a vast domestic network of one that is fully-authorized WIKA distributors. Please visit the WIKA website at www.wika.com to locate a distributor nearest to you or are specialized to your particular industry.

Mechanical Pressure Measurement

WIKA Type 111.10, 111.12, 212.54, and 111.25CT gauges are designed for applications where the measured media does not corrode copper alloy, and where long, reliable service under rugged conditions is required. Typical applications for these gauges are pumps, hydraulic and pneumatic systems, and compressors.

Type 212.53, 213.53, 213.40 and 212.20 (dry only) are ideal choices for OEM and general industrial applications requiring an economical dry or liquid-filled pressure gauge. When vibration and/or pulsation are present, the glycerine fill dampens the Bourdon tube and minimizes pointer oscillation, which reduces wear on the gauge movement. Typical applications include hydraulic and pneumatic systems.

General Purpose Gauge, Dry

111.10, 111.12

Size

1½", 2", 2½", 4"

Case

black ABS plastic

Wetted parts

copper alloy

Window

clear plastic

Liquid filling

not applicable

Accuracy

±3/2/3% of span



Stainless Steel Case, Brass Internals, Field Liquid Fillable

212.53, 213.53

Size

2", 2½", 4"

Case

stainless steel

Ring

polished stainless steel, crimped-on

Wetted parts

copper alloy

Window

acrylic

Liquid filling

dry (212.53); glycerine (213.53)

Accuracy

±2/1/2% of span (2", 2½"); ±1.0% of span (4")



Stainless Steel Case, Brass Internals, Field Repairable, Field Liquid Fillable

212.54, 213.54

Size

2½", 4"

Case

stainless steel

Ring

stainless steel bayonet, twist-on

Wetted parts

copper alloy

Window

safety glass

Liquid filling

dry (212.54); glycerine (213.54)

Accuracy

±2/1/2% of span (2½"); ±1.0% of span (4")



Hydraulic Gauge, Factory-Filled Case

213.40

Size

2½", 4"

Case

forged brass

Cover ring

gold-plated ABS (2½"); chromeplated brass (4")

Wetted parts

copper alloy

Window

acrylic

Liquid filling

glycerine

Accuracy

±2/1/2% of span (2½"); ±1.0% of span (4")



Contractors Gauge, Dry

111.25CT

Size

4½"

Case

stainless steel

Wetted parts

copper alloy

Window

snap-in-acrylic

Liquid filling

not applicable

Accuracy

±1.0% of span



Stainless Steel Case, Brass Internals, Dry

212.20

Size

6"

Case

stainless steel

Ring

stainless steel bayonet, twist-on

Wetted parts

copper alloy

Window

acrylic

Liquid filling

not applicable

Accuracy

±1.0% of span



Mechanical Pressure Measurement

Featuring all stainless steel construction, these industrial and process grade gauges ensure long service life in the harshest, most demanding environments. Typical applications include process and petrochemical industries that require high quality precision components.

WIKA stainless steel liquid-filled gauges are recognized world-wide as the standard of accuracy and durability for use in fluid power and hydraulic systems. These gauges are ideal for skid systems, panels, compressors, pumps and systems which may produce excessive vibration and pulsation.

All Stainless Steel, Small Diameter

131.11

- Size**
1½", 2", 2½"
- Case**
stainless steel
- Bayonet ring**
none
- Wetted parts**
316 stainless steel
- Window**
snap-in-acrylic
- Liquid filling**
not applicable
- Accuracy**
±2.5% of span



Panel Builder Gauge, Factory Filled Case

233.55 LBM

- Size**
2½"
- Case**
stainless steel
- Ring**
crimped tamper-proof bezel
- Wetted parts**
316 stainless steel
- Window**
safety glass
- Liquid filling**
glycerine
- Accuracy**
±2/1/2% of span



All Stainless Steel, Field Repairable, Field Liquid Fillable

232.54, 233.54

- Size**
2½", 4"
- Case**
stainless steel
- Ring**
stainless steel bayonet, twist-on
- Wetted parts**
316 stainless steel
- Window**
safety glass
- Liquid filling**
dry (232.54); glycerine (233.54)
- Accuracy**
±2/1/2% of span (2½"); ±1.0% of span (4")



All Stainless Steel, Field Liquid Fillable

232.53, 233.53

- Size**
2", 2½", 4"
- Case**
stainless steel
- Ring**
polished stainless steel, crimped-on
- Wetted parts**
316 stainless steel
- Window**
acrylic
- Liquid filling**
dry (232.53); glycerine (233.53)
- Accuracy**
±2/1/2% of span (2 and 2½"); ±1.0% of span (4")



All Stainless Steel, Safety Case, Field Repairable, Field Liquid Fillable

232.30, 233.30*

- Size**
2½", 4", 6"
- Ring**
stainless steel bayonet, twist-on
- Wetted parts**
316 stainless steel
- Window**
safety glass
- Liquid filling**
dry (232.30); glycerine (233.30)*
- Accuracy**
±2/1/2% of span (2½"); ±1.0% of span (4", 6")



All Stainless Steel, General Service, Field Liquid Fillable

132.53, 133.53

- Size**
4"
- Case**
stainless steel
- Ring**
polished stainless steel, crimped-on
- Wetted parts**
316 stainless steel
- Window**
acrylic
- Liquid filling**
dry (132.53); glycerine (133.53)
- Accuracy**
±3/2/3% of span



*Note: Case-filled 233.30 available in lower mount connection only
Note: 2½" case size supplied with polycarbonate window

Mechanical Pressure Measurement

The large 6" diameter of the Type 232.50/233.50 gauge makes it ideal for critical process applications that require dial reading from a distance. The Type 232.34DD Direct Drive Process Gauge features an external re-zero adjustment screw and movementless helical tube design engineered to withstand shock and vibration. Direct Drive gauges are excellent for power-generation industry applications and are ideal for non-clogging media and steam service, when properly equipped; i.e., with a siphon.

All Stainless Steel, Field Repairable, Field Liquid Fillable

232.50, 233.50

Size

2½", 4", 4½", 6"

Case

stainless steel

Ring

stainless steel bayonet, twist-on

Wetted parts

316 stainless steel

Window

safety glass

Liquid filling

dry (232.50); glycerine (233.50)

Accuracy

±2/1/2% of span (2½")
±1.0% of span (4", 4½" & 6")

Note: 2½" case size supplied with polycarbonate window



Direct Drive Process Gauge

232.34DD*

Size

4½"

Case

yellow fiberglass reinforced thermoplastic

Wetted parts

316L stainless steel and Inconel X-750

Window

acrylic

Liquid filling

not applicable

Accuracy

±0.5% of span

*Note: External zero-reset standard



WIKA process gauges and hinged ring gauges are specifically designed for the petrochemical and processing industries. These durable gauges are engineered to provide reliable service in harsh and rugged environments.

XSEL™ Process Gauge, Field Liquid Fillable*

2XX.34

Size

4½", 6"

Case

black fiberglass reinforced thermoplastic

Ring

threaded thermoplastic

Wetted parts

21X.34 - brass; 22X.34 - steel; 23X.34 - 316 ss; 26X.34- Monel®

Window

acrylic

Liquid filling

dry (2X2.34); glycerine and silicone (2X3.34)

Accuracy

±0.5% of span

*Note: With membrane installed



Hinged Ring Process Gauge

2X2.25*

Size

4½", 6"

Case

black aluminum

Ring

black steel, removable

Wetted parts

212.25HR - copper alloy; 232.25HR - 316 stainless steel; 262.25HR - Monel®

Window

flat instrument glass

Liquid filling

not applicable

Accuracy

±0.5% of span

*Note: Adjustable pointer standard



Low Pressure Process Gauge

6XX.34

Size

4½"

Case

black fiberglass reinforced thermoplastic

Wetted parts

612.34 - copper alloy; 632.34 - 316 stainless steel 662.34 - Monel®

Window

acrylic

Liquid filling

available: 40" H₂O and up

Accuracy

±2/1/2% of span



Mechanical Pressure Measurement

Extremely sensitive and highly accurate, the Type 611.10 and Type 632.50 capsule gauges are designed to measure very low pressure. They are especially well suited for systems where air or other gases are the measured media, as well as other applications requiring exceptional sensitivity, precision, and reliability.

The WIKA Sealgauge® is a reliable alternative to the conventional system of a diaphragm seal and pressure gauge. It uses a mechanical linkage, which eliminates the need for a system fill fluid. The Sealgauge® is built to withstand the corrosive, highly viscous and crystallizing media (gaseous or liquid) typical of the process industry. It is ideal for petrochemical, pulp and paper, wastewater treatment and power plants. The Sealgauge® comes standard with 5X overpressure protection and can also measure pressure as low as 5 InWC.

Low Pressure Commercial Capsule Gauge

611.10

Size
2", 2½"
Case
black painted steel

Wetted parts
copper alloy

Window
snap-in-acrylic/zero adjustment screw on dial

Accuracy
±1.5% of span



Low Pressure Industrial All Stainless Steel

632.50

Size
2½", 4", 6"

Case
stainless steel

Ring
stainless bayonet twist-on

Wetted parts
316 stainless steel

Window
laminated safety glass/zero adjustment screw on dial

Accuracy
±1.5% of span



Low Pressure Process Gauge

6X2.34

Size
4½"
Case
black plastic reinforced thermoplastic

Ring
threaded thermoplastic

Wetted parts
612.34 - brass
632.34 - 316 ss

Window
acrylic

Liquid filling
silicone (633.34) for ranges 40" WC and up

Accuracy
± 2/1/2% of full span per ASME B40.1 Grade A



Sealgauge®

4XX.50, 4XX.12

Size
4", 6"

Case/upper housing
304 stainless steel (43X.50);
cast iron (422.12, 432.12)

Bayonet ring
304 stainless steel, polished (43X.50);
black painted steel (422.12, 432.12)

Diaphragm
Carbon steel or
316 stainless steel (422.12, 432.12);
316 stainless steel or
Durathem PTFE-lined (432.50, 452.50);

Lower housing
316 stainless steel, PTFE lined (452.50);
316 stainless steel (43X.50, 432.12);
carbon steel (422.12)

Window
laminated safety glass (432.50, 452.50)
instrument glass (422.12, 432.12)

Liquid filling
glycerine (optional)

Accuracy
±1.5% of span



452.50
1" ASME 150# RF
Flanged Connection



432.50, 433.50
Stainless Steel



422.12, 432.12
Cast Iron Case

Mechanical Pressure Measurement

DP Gauge, Low Pressure, air2guide P

The air2guide P differential pressure gauges are ideally suited to measure very low positive, negative or differential pressure. The unique two-part construction of this gauge allows it to be easily installed and serviced without the need of tools. This gauge is perfect for air handlers, gas scrubbers, containment systems and commercial HVAC.

A2G-10

Nominal size

4½"

Case material

black thermoplastic

Sensor housing

black thermoplastic

Membrane

silicone rubber

Window material

clear polycarbonate

Connection

2 x G1/8 female

Ranges

0/0.25"WC up to 0/50"WC

Compound ranges

-0.1/+0.1"WC up to -2/+2"WC

Accuracy

± 3.0% of full span

Standard accessories

straight or angled 1/8", 3/16" hose barb adaptors
3 self-tapping case mounting screws



Panel Mount



Surface Mount

DP Gauge, Low Pressure, air2guide P+E

This air2guide P+E differential pressure gauge combines the mechanical reading with an electronic output signal in a design that is identical to the A2G-10. The very unique two-part construction of this gauge allows it to be easily installed and serviced without the need of tools. This gauge is perfect for air handlers, gas scrubbers, containment systems and commercial HVAC.

A2G-15

Nominal size

4½"

Case material

black thermoplastic

Output signal

4...20 mA, 2-wire system
or 0...10 V, 3-wire system

Sensor housing

black thermoplastic

Membrane

silicone rubber

Window material

clear polycarbonate

Connection

2 x G1/8 female

Ranges

0 ... 0.25" WC up to 0 ... 50" WC

Compound ranges

-0.1/+0.1" WC up to -2/+2" WC

Accuracy

± 3.0% of full span

Standard accessories

straight or angled 1/8", 3/16" hose barb adaptors,
3 self-tapping case mounting screws



Surface Mount Shown

intelliGAUGE Series – Gauges with Analog Output Signal

The WIKA intelliGAUGES combine reliable mechanical indication with an analog output signal for remote reading and data collection. The intelliGAUGE technology is available from commercial type gauges to process grade gauges, Sealgauges and differential pressure gauges. They are equipped with a non-contact, wear-free sensor.

PGT23.063

Size

2½"

Case

304 stainless steel,
solid front safety design
with blow-out back

Connection

1/4" NPT LM

Wetted parts

316L stainless steel

Window

safety glass

Ranges

0 ... 15 psi to 0 ... 15000 psi

Output signal

4 ... 20 mA, 2-wire

Accuracy

+/- 2/1/2% of full scale per
ASME B40.1, Grade A



switchGAUGE Series – Gauges with Analog Output Signal

The WIKA switchGAUGES are based on WIKA's high quality pressure gauges equipped with an integrated alarm contact. Depending on the application and the type of gauge, the customer can choose between magnetic, inductive or electronic (SPS) contacts, Reed Switches or contacts with transistor output (NPN or PNP). All gauges equipped with an inductive contact come standard with ATEX approval Ex II 2 GD c.

PSG21

Size

1½", 2"

Case

304 stainless steel case and
crimped-on ring

Connection

LM (2" only) or CBM

Wetted parts

copper alloy

Window

clear plastic

Ranges

1-1/2" - 0 ... 60 psi to 0 ... 6000 psi

2" - 0 ... 15 psi to 0 ... 6000 psi

Contact type

magnetic contact, N/O or N/C factory set
(fixed contact set point)

Accuracy

+/- 3/2/3% of full scale per ASME
B40.1 Grade B



2" shown

Differential Pressure Measurement

DP Gauge, Dry or Liquid-Filled Case

This **diaphragm-style** differential pressure gauge, that eliminates “blow-by”, is suited for use in applications requiring low/medium differential and medium/high process pressure media. The 700.05 is intended for measuring pressure drops across filters, strainers, separators, heat exchangers, and gas recovery systems.

700.05

Size
2½", 4½"

700.05
2½"

Case & bezel
reinforced plastic

Sensor housing
316L ss or anodized aluminum

Wetted parts
aluminum or 316 ss & ceramic magnet with Buna N diaphragm

Window
acrylic or shatter-resistant glass

700.05
4½"

DP range
0 ... 50" H₂O thru 0 ... 100 psid
up to 3000 psig (200 bar)

Accuracy
±2% of span (increasing), ranges 15 psi thru 100 psi;
±5% of span (increasing), ranges 50" H₂O thru 300" H₂O



DP Gauge, Dry or Liquid-Filled Case

This opposed membrane/liquid filled sensor element is designed for applications requiring **high differential/high process pressures**. The 732.25 is used in a variety of industrial uses, including rotating equipment systems and/or corrosive environments with liquid or gaseous media.

732.25

Size
4½", 6"

Bezel
316L stainless steel

Dial case
black powder-coated aluminum

Sensor housing
316L stainless steel

Sensor membranes
Monel® diaphragm

Window
acrylic or shatter-resistant glass

DP range
0-100" H₂O thru 0-600 psid

Working pressure
0-3000 psig (200 bar)

Accuracy
±1% of span



Differential/Duplex Gauge

712.25DP/DX

Size
4½", 6"

Case
black aluminum

Ring
black aluminum, bayonet ring

Wetted parts
copper alloy

Pointer
one black (differential); one black, one red (duplex)

Window
flat instrument glass

DP range
0 ... 15 psid thru 0 ... 1000 psid

Working pressure
1½ times of full scale

Accuracy
±2/1/2% of span
(ASME B40.1 Grade A)



Differential Pressure Gauge “Cryo Gauge”

DP gauge for liquid level measurement in enclosed tanks, in particular for the cryogenic industry.

712.15

Size
6"

Case
304 stainless steel with
front flange SS polished

Connection
1/4" NPT female bottom mount

Wetted parts
copper alloy measuring cell with
316L compression springs and
NBR separating diaphragm

Window
Clear polycarbonate

Ranges
0 ... 30" WC to 0 ... 900" WC

Maximum working pressure
750 psig

Accuracy
+/- 2.5% of full scale

Available accessories
3-way manifold w/integrated working pressure gauge;
single and dual Reed Switches;
Variety of mounting devices



Pressure Snubbers

Pressure snubbers dampen pressure oscillations, allowing easy reading of the “average” pressure. They also protect the gauge from damaging pulsation and spikes. Available in brass and 316 stainless steel with porous, piston, and throttling types.

910.12.100, 910.12.200, 910.12.300



910.12.100
Porous



910.12.200
Piston



910.12.300
Throttling

Needle Valves

Needle valves isolate the pressure gauge from the pressure medium and act as a throttling device. They can also effectively dampen pulsation. WIKA's needle valves are available in standard, mini, block & bleed, and multi-port designs.

910.11, 910.11.100,
910.11.200, 910.11.300



910.11
Standard



910.11.100
Mini



910.11.200
Block & Bleed



910.11.300
Multi-port

Siphons

Siphons protect instruments from high temperature mediums such as saturated steam. The high temperature steam condenses in the siphon, preventing it from damaging the gauge internals. Available in brass, steel or 316 stainless steel. For horizontal (coil) or vertical (pigtail) installations.

910.15.100, 910.15.200



910.15.200
Coil



910.15.100
Pigtail

Gauge Cocks

WIKA gauge cocks provide an economical method for isolating the instrument from the process. They also provide an adjustable flow orifice and are rated at 200 psi.

910.10



Mini-Siphon

The WIKA Type 910.24 mini-siphon is specifically designed to replace the old pigtail and coil siphon. The mini-siphon has a thermal barrier which protects the pressure gauge from harmful steam, hot vapors and liquids, and contains a unique inner chamber that reduces pressure surges and “water hammer”. By mounting the gauge closer to the process, the mini-siphon is designed to eliminate gauge whip and vibration that is typically found on traditional siphons.

910.24



Adjustable Overpressure Protector

Overpressure protectors protect the pressure gauge from damaging spikes and surges that exceed the rated capacity of the instrument. WIKA overpressure protectors come in seven selectable ranges from 6 psi to 8700 psi. Available in 316 stainless steel.

910.13



Electronic Pressure Measurement

Standard Industrial Transmitter

These rugged pressure transmitters are designed for use in harsh environments where accuracy, reliability, and repeatability are critical. Applications include hydraulics and pneumatics and numerous other processing operations.

S-10

Ranges

50 InWC to 15,000 psi, vacuum, compound, absolute

Output

4-20 mA 2-wire, 0-5 V 3-wire, 0-10 V 3-wire

Accuracy

≤0.25% B.F.S.L.



Field Case Transmitters

The Types F-20 and F-21 pressure transmitters feature an integral stainless steel junction box for installation in harsh environments. The F-21 non-clogging flush diaphragm version is designed to measure media containing sludge, slurry, or particulates.

F-20, F-21

Ranges

30"-0 HgVac to 15,000 psi

Output

4-20 mA, 0-5 V, 0-10 V

Accuracy

≤0.25% B.F.S.L.



Flush Diaphragm Transmitter

The S-11 non-clogging flat diaphragm pressure transmitter is designed for applications measuring sludge, slurry, or high viscosity media.

S-11

Ranges

50 InWC to 8000 psi, vacuum, compound, absolute

Output

4-20 mA, 0-5 V, 0-10 V

Accuracy

≤0.25% B.F.S.L.



Pressure Transmitter with Integral LED Display and Switch Options

The PSD-30 features an integral red LED display that provides three-way adjustability for a wide variety of installation requirements. It is available with PNP or NPN solid state switches for intelligent control applications and meets VDMA standards for ease of programming.

PSD-30

Ranges

vacuum, compound, and gauge ranges up to 8000 psi

Display

red 4-digit LED, .35" high, 14 segments

Switch points

solid state user programmable, NPN or PNP, single or dual



High Pressure Transmitter

The new HP-2 is designed for ultra-high pressure monitoring and control applications up to 225,000 psi. It provides accurate, reliable and safe performance when exposed to rapid pressure changes.

HP-2

Ranges

40,000 psi to 225,000 psi

Output

4-20 mA, 0-5 V, 0-10 V

Accuracy

≤0.25% B.F.S.L.



OEM Transducer

The WIKA OEM-designed pressure transducer incorporates the most recent advances in thin film technology. This transducer is designed for engineers who want to provide their own power supply and signal conditioning circuitry.

TTF-1

Ranges

10 bar to 1000 bar

Output

2 mV per V

Accuracy

up to +0.06% of span



Precision Pressure Transmitters

The P-30 provides non-linearity of up to 0.04% of span (B.F.S.L.) for precise measurement in critical applications. Each instrument is provided with a test report at no additional cost. Other test certificates are available.

P-30, P-31

Ranges

30"-0 HgVac to 15,000 psi

Output

4-20 mA

Accuracy

up to 0.05% (terminal based)



P-30



UT-10, UT-11

Ranges

5 psi to 15,000 psi

Output

4-20 mA

Accuracy

≤0.15% B.F.S.L. (pre-turndown)
IUT-10 intrinsically safe version available



Electronic Pressure Measurement

Explosion Proof Transmitters

The E series transmitters are CSA, FM-approved explosion proof for Class I, Division I locations.

E-10, E-11

Ranges

5 psi to 15,000 psi, vacuum, compound, absolute

Output

4-20 mA or 1-5V low power

Accuracy

≤0.25% B.F.S.L.



E-10

E-11



Non-Incendive Transmitters

Type N-10/N-11 pressure transmitters are specifically designed for gas compressor systems. These transmitters are engineered to meet Class I, Division 2 non-incendive protection in hazardous environments.

N-10, N-11

Ranges

50 InWC to 15,000 psi, vacuum, compound, absolute

Output

4-20 mA or 1-5V low power

Accuracy

≤0.25% B.F.S.L.



N-10



N-11

Intrinsically-Safe Transmitters

WIKA's intrinsically-safe transmitters are FM, ATEX, and CSA-approved. They are designed for installation in Class I, Division 1 hazardous locations. The IS-21 features a flat, non-clogging diaphragm designed to measure media containing sludge, slurry, or particulates. The IS-20-F has an all stainless steel integral junction box for installation in harsh environments.

IS-20-S, IS-21-S, IS-20-F

Ranges

50 InWC to 60,000 psi, vacuum, compound, absolute

Output

4-20 mA

Accuracy

≤0.25% B.F.S.L.

IS-20-F

IS-20-S

IS-21-S



Submersible Liquid Level Transmitters

Submersible liquid level transmitters have a watertight package suitable for applications in tank level measurement, water/wastewater treatment, and reservoir or well depth measurement. They are submersible up to 1,000 feet.

LH-10, LS-10, IL-10*

Ranges

50 InWC to 400 psi

Output

4-20 mA

Accuracy

0.25% - 0.125% B.F.S.L.

LH-10

LS-10

IL-10



*Note: Hazardous area approvals only available on Type IL-10.

Anti-Clog Attachment (LevelGuard™) For Liquid Level Transmitters

The LevelGuard™ is compatible with the LS-10, LH-10, and IL-10 submersible liquid level transmitters. It is designed for use in wet wells, lift stations, and other applications where sludge, slurry, or turbulence may be present.

LevelGuard™



Attachable Loop Powered Local Indicator

The A-AI-1 is designed for use with the 4-pin DIN 43650 "L" plug supplied with TRONIC Industrial and A-10 4-20 mA output pressure transmitters. User-adjustable digital filtering stabilizes the display during rapid pressure changes.

A-AI-1

Display

-1999 to +9999 user-programmable

Output

4-20 mA

Power

loop powered with 3 VDC drop

Application

for use with TRONIC industrial (S-10, S-11) and A-10 pressure transmitters (with DIN plug)



Attachable Loop Powered Local Indicator



Electronic Pressure Measurement

OEM Transmitter

The WIKA A-10 pressure transmitter is precision engineered and manufactured to fit many industrial and OEM applications. The rugged design provides resistance to vibration, shock, wide temperature variations, RFI and other extreme environmental conditions that are typical of industrial and OEM applications.

A-10

Ranges

15 psi to 10,000 psi

Output

4-20 mA, 0 - 10 V, 0 - 5 V, others

Accuracy

≤ (+/-) 0.5% B.F.S.L.



Refrigeration and Air Conditioning

The R-1 and AC-1 pressure transmitters are specifically designed for refrigeration and air conditioning pressure monitoring applications. The R-1 features stainless steel construction and a completely welded measuring cell. The economical AC-1 features a brass case and ceramic sensing element. Both provide condensation proof construction for long service life. Minimum order quantities may apply.

R-1, AC-1

Ranges

100 psi - 850 psi, compound

Outputs

4-20 mA, 0-10 V,
0.5 - 4.5 V ratiometric

Accuracy

<1% B.F.S.



OEM Mobile Hydraulic Transducers

The MH-2 and OT-1 OEM pressure transmitters incorporate WIKA proprietary thin film sensors for exceptional performance, reliability, and extended operating life. They offer an excellent price and performance ratio for OEM applications requiring a large production quantity of transmitters. Custom designs are available for specific OEM requirements. Minimum order quantities may apply.

MH-2, OT-1

Ranges

100 psi to 8000 psi

Outputs

4-20 mA, 1-5 V, 0-10 V,
0.5-4.5 ratiometric @ 5 V

Accuracy

≤0.5% B.F.S.L.



OEM Transmitter

Featuring a highly stable, temperature compensated, and conditioned output signal, the WIKA C-10 is specifically designed to meet OEM requirements. Applications include hydraulics, pneumatics, compressor control, off-road equipment, and industrial engine control.

C-10

Ranges

100 InWC to 15,000 psi

Output

4-20 mA, 0-5 V, 0-10 V

Accuracy

≤0.5% B.F.S.L.



Mobile Hydraulic Transmitter

The WIKA Type MH-1 is engineered to meet the demanding requirements of off-road applications. Extreme shock, vibration, and pressure spike resistance are combined with environmental protection up to IP 69K, making the MH-1 ideal for conditions encountered in most mobile hydraulic applications.

MH-1

Ranges

1,000 psi to 8000 psi

Output

4-20 mA, 1-5 V

Accuracy

≤0.5% B.F.S.L.



CANopen Transmitter

The D-20-9 is a precision transmitter with CANopen interface. Due to shock and vibration resistance values which comply with the industrial standards, it is ideal for fieldbus applications in mechanical engineering, automation and test benches.

D-20-9

Ranges

5 psi to 22,000 psi

Output

CAN (DIN / ISO 11898)

Accuracy

+≤0.25% B.F.S.L.



PROFIBUS-DP Interface Transmitter

The D-10-7 transmitters with accuracies of 0.1 % (or 0.05%) have been designed to enable direct communication to a PC, which is especially required in the field of test, calibration and service technology. The pressure transmitter's power supply is taken directly from the RS 232-interface of the PC.

D-10-7

Ranges

5 psi to 15,000 psi

Output

PROFIBUS-DP (EN 50170)

Accuracy

up to 0.05% B.F.S.L.



WIKA Diaphragm Seal Systems enable pressure gauges, transmitters, transducers, and switches to be adapted for installation into adverse applications. Diaphragm seals are excellent for applications involving high temperature, corrosive, toxic, abrasive and highly viscous media, and offer a wide variety of exotic materials to ensure complete compatibility with most processes.

Diaphragm seals can be assembled to the pressure measuring instrument directly or remotely through the use of a capillary. Seals are used extensively in industries such as petrochemical, chemical, gas facilities, oil refineries, and pulp and paper mills. They are also widely used in food and dairy processing, water and sewage treatment, and pharmaceutical facilities.

Saddle Seal

L910.ZA

Instrument connection
1/4" or 1/2" NPT female, capillary

Process connection
3" pipe and up

Pressure rating
1500 psi

Suitable pressure
15 psi to 1500 psi

Wetted parts
SST, other consult factory



Standard Version, Threaded/Flanged

L990.10/12

Instrument connection
1/4" or 1/2" NPT female, capillary

Process threaded connection
1/4" to 1" flanged: 1/2" to 1" NPT female; 2" RF

Pressure rating
threaded: up to 3675 psi;
flanged: 150# to 1500# per ASME B16.5

Suitable pressure
15 psi to 3675 psi

Wetted parts
CS, SST, Monel®, Hastelloy®, Tantalum, Teflon® lining, other-consult factory



All-Welded System (AWS)

M93X.D1

Size
4 1/2"

Case
fiberglass reinforced thermoplastic

Wetted parts
316L stainless steel, Monel®, Hastelloy® C-276

Window
acrylic

Process
1/2" NPT male connection

System fill fluid
silicone, DC200-10

Accuracy
±0.5% of span

Options
Consult factory



Flange-Type Flush

L990.27

Instrument connection
1/4" or 1/2" NPT female, capillary

Process connection
flanged: 2" to 4" RF

Pressure rating
flanged: 150# to 2500# per ASME B16.5

Suitable pressure
10" in H₂O to 2500# per ASME B16.5

Wetted parts
SST, Monel®, Hastelloy®, Teflon® lining, Tantalum, other-consult factory



Wafer INLINE SEAL™

L981.10

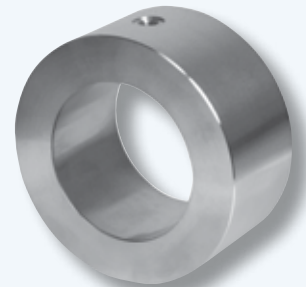
Instrument connection
1/4" or 1/2" NPT female, capillary

Process connection
flanged: 1" to 8" RF; wafer

Pressure rating
flanged: 150# to 2500# per ASME B16.5

Suitable pressure
10 psi to 6000 psi

Wetted parts
SST, Monel®, Hastelloy®, Teflon® coated, Tantalum, other-consult factory



Sanitary Assemblies

Sanitary seals are designed to facilitate ease of assembly and disassembly from its mating fitting while minimizing crevices to avoid bacteria growth. The most common sanitary seal and mating fitting are held together via a clamp or union nut. The sanitary seal Tri-Clamp® construction meets the criteria set by "3A". Sanitary seals are designed for applications in the pharmaceutical, biotechnology, and food and beverage industries.

Standard Version, Sanitary Tri-Clamp®

L990.22

Instrument connection
1/4" or 1/2" NPT female, capillary

Process connection
1 1/2" to 4" Tri-Clamp®

Pressure rating
up to 1500 psi

Suitable pressure
5 psi to 1500 psi

Wetted parts
SST, other-consult factory



INLINE SEAL™ Sanitary

L981.22

Instrument connection
1/4" or 1/2" NPT female, capillary

Process connection
3/4" to 4" Tri-Clamp®

Pressure rating
up to 1500 psi

Suitable pressure
5 psi to 1500 psi

Wetted parts
SST, other-consult factory



3A Sanitary, Pressure Transmitters

S-10-3A

Ranges
5 psi to 1000 psi
vacuum, compound

Output
4-20 mA, 0-5V, 0-10V

Accuracy
≤ 0.25% B.F.S.L.

SA-11

Ranges
100 InWC to 400 psi,
vacuum, compound

Output
4-20 mA

Accuracy
≤ 0.25% B.F.S.L.



S-10-3A

SA-11



Sanitary System, Field Fillable Case

M93X.25

Size
2 1/2"

Case
polished stainless steel

Ring
polished stainless steel, crimped

Wetted parts
316L stainless steel

Window
polycarbonate

Process connection
3/4" Tri-Clamp®

Accuracy
+2/1/2% of span



Sanitary System, Field Fillable Case

M93X.3A

Size
2 1/2", 4"

Case
stainless steel,
electropolished

Ring
polished stainless steel

Wetted parts
316L stainless steel electropolished

Window
polycarbonate

Process connection
1 1/2", 2" Tri-Clamp®, lower or back mount

Accuracy
±2/1/2% of span (2 1/2"), ±1.0% of span (4")



Sanitary Transmitter Assembly

F-20-3A

Ranges
5 psi to 1500 psi
vacuum, compound

Output
4-20 mA

Wetted parts
316L stainless steel,
electropolished

Process connection
3/4", 1 1/2" up to 4" Tri-Clamp®

Accuracy
≤ 0.25% B.F.S.L.



3/4" Connection

Standard
2" Connection



Mechanical Temperature Measurement

Process Grade Bimetal Thermometers

WIKA's bimetal process grade thermometers are suitable for every direct-reading thermometer application. Their durable construction ensures reliable readings and long-lasting service. The superior quality of the WIKA Types 30, 31, 32, 50, 51, and 52 is reflected in the seven-year warranty.

TI.30, TI.31, TI.32, TI.50, TI.51, TI.52

Size

3", 5"

Case & stem

304 stainless steel

Stem lengths

2½" to 72" (call factory for lengths over 72")

Case configuration

back-connected, bottom-connected, adjustable angle

Connection

½" NPT on 3" and 5" dials (std.)

Window

flat instrument glass

Dial

white aluminum; anti -parallax

Pointer

black aluminum

Accuracy

±1.0% of span ASME B40.3 Grade A

Scale

single °F or °C or dual scale

Ranges

-100°F(-70°C) to 1000°F(500°C), available in dual scale F&C, Fahrenheit only or Celsius only

External reset

a slotted hex adjustment head offers screwdriver or wrench use to field calibrate the thermometer

Fill policy

WIKA does not recommend continued use of filled instruments at operating temperatures above 400°F(204°C) or below -100°F(-70°C)

Hermetic seal

hermetically sealed per ASME B40.3.; ingress protection IP 65; NEMA 4X; guaranteed not to fog

Immersion

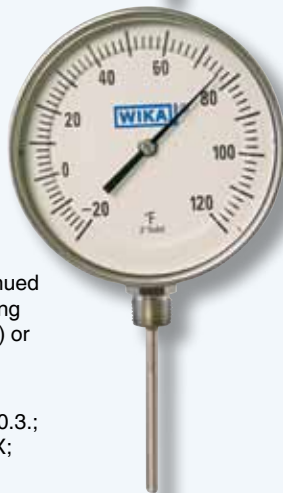
for accurate temperature readings, immerse stem a minimum of 2" in agitated liquid or 4" in moving air or gas

Options

dampened movement; min-max pointer; 3/8" stem; 316 stainless steel wetted parts; safety glass; Lexan® and acrylic windows; silicone fill



TI.32



Shown with Dampened Movement (DM) option

Industrial Grade Bimetal Thermometers

WIKA's industrial grade bimetal thermometers are ideal for a weather resistant application or where a tamper-proof thermometer is recommended. WIKA Types 20, 33, 34, 53, 54 are warranted for one year.

TI.20, TI.33, TI.34, TI.53, TI.54

Size

2", 3" or 5"

Case & stem

304 stainless steel

Stem lengths

2½" to 24"

Case configuration

back-connected, bottom-connected

Connection

¼" NPT on 2" dials ½" NPT on 3" and 5" dials; standard; others available

Window

flat instrument glass

Dial

white aluminum; anti -parallax

Pointer

black aluminum

Accuracy

±1.0% of span ASME B40.3 Grade A

Scale

single °F or °C or dual scale

Ranges

-100°F(-70°C) to 1000°F(500°C); available in dual scale F & C, Fahrenheit only or Celsius only

Hermetic seal

hermetically sealed per ASME B40.3.; ingress protection IP 65; NEMA 4X; guaranteed not to fog

Immersion

for accurate temperature readings, immerse stem a minimum of 2" in agitated liquid or 4" in moving air or gas



TI.20



TI.54

Laboratory Thin Stem Thermometers

WIKA laboratory thin stem thermometers deliver fast, extremely accurate readings. They are high-quality, economical thermometers designed for laboratory and OEM applications.

TI.T17, TI.T20

Size

1¾", 2"

Case & stem

304 stainless steel

Stem lengths

5", 8", 12", 18"

Connection

plain, 7/16" hex hub with no threads

Window

flat instrument glass

Dial

white aluminum

Pointer

black aluminum

Accuracy

1.0% full scale value

Scale

single °F or °C or dual scale

Ranges

-100°F(-70°C) to 1000°F(500°C), in dual scale F&C, Fahrenheit only or Celsius only

External reset

externally adjustable on plain connection

Options

stem lengths, threaded connections, scales and dial markings, Lexan® window, beaker clip, stem tip



TI.T17

Mechanical Temperature Measurement

Industrial Glass Thermometers

WIKA's industrial glass thermometers offer easy-to-read temperature measurement in tough applications. Their molded housings offer excellent rigidity and impact resistance. The glass tube is also shock resistant.

**TI.701, TI.901,
TI.61102, TI.61104, TI.62102, TI.62104**

Features

blue spirit fill (non-mercury);
guaranteed accuracy to within
 $\pm 1\%$ of scale; spring-mounted
glass window to reduce rattles

7" & 9"

completely adjustable locking
case & stem; ranges to 550°F (288°C)
in Fahrenheit, Celsius, and dual scale;
available with or without thermowell

6"

available with brass dual-threaded thermowell
socket that fits both $\frac{1}{2}$ " and $\frac{3}{4}$ " NPT;
ranges 40°F (-40°C) to 400°F (200°C)
in Fahrenheit, Celsius, and dual scale



TI.61102

Gas Actuated Thermometers

WIKA gas actuated dial thermometers are easy-to-read and provide excellent performance throughout their ranges. They provide extremely accurate temperature readings from remote locations or mercury-sensitive environments.

TI.R45, TI.R60

Dial

4½", 6"

Case connection

front flange, back flange, u-clamp,
phenolic turret, direct reading
adjustable angle

Connection

variety of connection systems

Capillary lengths

up to 99'

TI.R45

Ranges

-320°F (-200°C) to 1200°F (650°)

Options

dampened movement; bendable
extensions up to 18" with sliding
union; copper bulb, capillary &
braided armor; stainless steel bulb;
capillary & spring armor; stainless steel
interlocking armor; acrylic or
shatterproof glass window

Note: Thermometer pictured
with optional thermowell installed.

TI.R45 with
Just-Rite connection



Solar Powered Digital Thermometers

WIKA's solar powered digital thermometer is the ideal instrument where exact readings are required, such as a pilot plant or research & development and industrial applications.

TI.80, TI.82

Type

TI.80 - back connected; TI.82- adjustable angle

Range

-50/300°F (-50/150°C)

Case & stem

304 stainless steel

Lens

glass

Connection

$\frac{1}{2}$ " NPT

Sensor

ceramic thermister requiring
35 lux to operate the 3-volt solar cell



TI.80

Solar Industrial Digital Thermometer

WIKA's solar industrial thermometer is an excellent alternative to mercury-in-glass. It eliminates toxic mercury and offers fast, accurate, easy-to-read temperature indications. Retro-fit design is a drop-in replacement for glass thermometers.

TI.D01

Range

-50/300°F (-50/150°C)

Accuracy

$\pm 1\%$ of reading or 1° (whichever is greater)

Sensor

glass passivated thermistor

Lux rating

10 lux (one foot candle)



Vapor Actuated Thermometers

Where critical measurement is within a limited range, a WIKA vapor actuated thermometer is ideal. Rugged and reliable, these instruments are well-suited for refrigeration, drying ovens, and plating applications.

TI.V20, TI.V25, TI.V35, TI.V45

Dial

2", 2½", 3½", 4½"

Case connection

front flange, back flange, u-clamp

Connection

plain, threaded union, thermowell

Capillary lengths

to 99'

Ranges

-40°F (-40°C) to 350°F (176°C)

Options

copper bulb, capillary & braided armor;
or stainless steel bulb, capillary stainless steel
interlocking armor available



TI.V35

Mechanical Temperature Measurement

Twin-Temp™ Thermometers

WIKA's unique Twin-Temp™ thermometer combines the accuracy, reliability and easy-to-read dial of a bimetal or solar digital thermometer with the precision readout and data acquisition capability of a thermocouple or RTD sensor. Twin-Temp™ provides two temperatures from one insertion point.

TT.30, TT.32, TT.50, TT.52

Size
3", 5"

Case
adjustable angle case or back-connected case

Stem
¼" diameter

Length
T/C 2½" to 48"; RTD 4" to 48"

Connection
½" NPT

Range
-100°F (-70°) to 550°F (260°C) in Fahrenheit, Celsius, and dual scale. Type K thermocouple or 100 Ohm RTD is standard. Types J, E, and T are optional.



TT.52
Shown with enclosure head



TT.52
Shown with weatherproof housing



TT.30
Shown with female plug-in option

Digital Pocket Test Thermometer

Type TI.1006DW is a water-resistant, impact-resistant digital pocket thermometer offering both Fahrenheit and Celsius readings, with a unique "data hold" feature that "remembers" the last reading. Range is from -40° to 300°F and -40° to 150°C. Battery is included.

TI.1006DW

Accuracy
±1% of full scale

Case
plastic

Stem
.157" diameter

Length
3"

Range
-40/300°F (-40/150°C) switchable

Power
battery



Pocket Test Thermometer

Type TI.1005 is a bimetal dial thermometer requiring no power to deliver its quick, accurate readings. The 1" dial is easy-to-read. Stem length is 5". Thermometer includes pocket case which can be used to hold the stem.

TI.1005

Accuracy
±1% of full scale

Case
stainless steel

Stem
.142" diameter

Length
5"

Range
-40/160°F; 0/220°F;
50/550°F

Pointer
aluminum with matte red finish



Thermowells

Thermowells for temperature instruments are recommended for all processes where measurement is of a corrosive medium, high pressure or high flow application. WIKA thermowells are available from a complete selection of base materials, as well as shields and coatings, and in threaded, flanged, welded, and sanitary connections. WIKA thermowells are offered in .260" and .385" bores. WIKA sanitary thermowells meet the criteria for 3A sanitary standard 09-09 requirements. WIKA also manufactures thermowell conversion kits to adapt different thermowells to new types of thermometers.

TW.TH, TW.SW, TW.WI, TW.FL, TW.VS, TW.SC

Process connections
threaded, flanged, welded, sanitary

Instrument connection
½" NPSM standard

Shank configurations
stepped, straight, tapered

Bore diameter
.260", .385"

Materials
brass, AISI 304, AISI 316,
(other materials available)

Surface finish
brass: 60-100Ra; AISI 304
& AISI 316: sanitary:
(AISI 304 & 316): 16-32Ra



High Precision & Calibration

WIKA high precision and test gauges are extremely sensitive and highly accurate. They are ideal for instrument shops, gauge repair, calibration labs, testing laboratories and other applications demanding high precision and consistent results. These gauges feature a mirrored band on the dial and a knife-edge pointer to eliminate parallax reading errors.

High Accuracy Test Gauge, Grade 3A

312.20, 332.30

Size
6"

Case
stainless steel

Ring
stainless steel (twist-on)

Wetted parts
312.20 - copper alloy;
332.30 - 316 stainless steel

Window
laminated safety glass

Ranges
vacuum / compound to 200 psi; pressure from 15 psi to 10,000 psi
or other equivalent units of pressure or vacuum

Accuracy
±0.25% of span



High Precision Test Gauge, Grade 4A

342.11

Size
10"

Case
cast aluminum, dark grey

Connection
316 stainless steel

Bourdon tube
Ni-span®

Window
green tinted acrylic, non-reflecting

Ranges
vacuum / compound to 30"Hg / 0 / 200 psi; pressure from
10 psi to 20,000 psi or other equivalent units of pressure or vacuum

Accuracy
±0.1% of span



Process Grade Test Gauge, Grade 3A

332.34

Size
4½"

Case
black fiberglass reinforced
thermoplastic

Ring
fiberglass reinforced
thermoplastic; black

Wetted parts
316 stainless steel

Window
acrylic

Ranges
vacuum 30" Hg; pressure from 15 psi to 20,000 psi; pressure
from 15 psi to 10,000 psi or other equivalent units of pressure
or vacuum

Accuracy
±0.25% of span



High Accuracy Test Gauge, Grade 3A

332.54

Size
4"

Case
stainless steel

Ring
polished stainless steel
bayonet, twist-on

Wetted parts
316 stainless steel

Window
laminated safety glass

Ranges
vacuum 30" Hg / 0 / 200 psi; pressure from 15 psi to 10,000 psi
or other equivalent units of pressure or vacuum

Accuracy
±0.25% of span



Hinged Ring Test Gauges, Grade 3A

332.25, 312.25

Size
4½"

Case
black painted aluminum
with hinged ring cove

Wetted parts
316 stainless steel - 332.25,
copper alloy - 312.25

Window
flat safety glass

Ranges
vacuum 30" Hg / 0 / 200 psi; pressure from 15 psi to 10,000 psi
or other equivalent units of pressure or vacuum

Accuracy
±0.25% of span



High Precision & Calibration

WIKA has calibration test equipment available for temperature or pressure, mechanical or electronic, field use, or use in labs. With EN and N.I.S.T. traceable products, WIKA can provide the required equipment to maintain metrology and calibration laboratories.

Pressure Controller

CPH 6000

Ranges

-30 inHg - 15,000 psi via plug and play transmitters

Accuracy

.025% of full scale

Display

15 selectable display units with current shown simultaneously with mA or volts

Modes

unit is capable of both calibration and switch test



Digital Test Gauge

CPG 1000

Pressure units

displays in 18 standard pressure units with 1 custom unit

Features

MIN/MAX, TARE, dampening

Approvals

CSA/US intrinsically safe, Class 1, Div. 2 Groups A, B, C, & D; CE approved

Accuracy

±0.05% full scale



Pressure Monitor

CPH 6200

Ranges

0...100 mbar to 1...1000 bar via plug and play transmitters

Accuracy

0.2% of full scale (optional 0.1% increased accuracy upon request)

Display

7 selectable display units with current shown simultaneously with mA or volts

Modes

available gauge pressure and differential pressure; can also be supplied with ATEX certification EEx ib 11c T4



Digital Pneumatic Calibrator

65-2000

Range

-10...100 psi (-0.7...7 bar)

Pressure units

psi, mbar, bar, kPa, mHg, mH₂O (4°C), in. H₂O (20°), in. Hg

Accuracy

0.02% of reading ± 3 digits (including linearity, hysteresis and temperature error)



Digital Pressure Calibrator

DPEC 260

Ranges

0...3 psi to 0...300 psi

Display

7 selectable display units with current shown simultaneously with mA or volts

Pump

integrated hand pump for both pressure and vacuum with fine adjustment

Accuracy

0.02% of reading (dependent on the range)



Digital Pneumatic Calibrator

65-2000 II

Range

-10...100 psi (-0.7...7 bar)

Sensor type

differential pressure (max. 100 psi static)

Units

mbar, bar, kPa, mmHg, psi, in. H₂O (20°)

Voltage measurement

0...± 32 V DC

Current measurement

0...± 32 mA DC

Transmitter supply

24 V DC + 5%; max. 30 mA (galv. isolated max. 500 VDC)

Pneumatic

precision pressure regulator (for external pressure supply); pressure hand pump with volume controller for standalone pressure supply

Accuracy

0.02% of reading ± 3 digits (including linearity, hysteresis and temperature error)





USA

WIKA Instrument Corporation
Lawrenceville, GA 30043
Phone: 770-513 8200
Fax: 770-338 5118
E-mail: info@wika.com
www.wika.com

North America

Canada

WIKA Instruments Ltd.
Head Office
Edmonton, Alberta, T6N 1C8
Phone: (+1) 780-463 70 35
Fax: (+1) 780-462 00 17
E-mail: info@wika.ca
www.wika.ca

WIKA Instruments Canada Ltd.
Oakville, Ontario, L6H-6Z8
Phone: (+1) 905-337 16 11
Fax: (+1) 905-337 27 16
E-mail: info@wika.ca
www.wika.ca

Mexico

Instrumentos WIKA Mexico S.A.
de C.V.
01219 Mexico D.F.
Phone: (+52) 555 020 53 00
Fax: (+52) 555 020 53 01
E-Mail: ventas@wika.com.mx
www.wika.com.mx

South America

Argentina

WIKA Argentina S.A.
Buenos Aires
Phone: (+54) 11-4730 18 00
Fax: (+54) 11-4761 00 50
E-mail: info@wika.com.ar
www.wika.com.ar

Brazil

WIKA do Brasil Ind. e Com. Ltda.
CEP 18560-000 Iperó - SP
Phone: (+55) 15-3266 16 55
Fax: (+55) 15-3266 16 50
E-mail: marketing@wika.com.br
www.wika.com.br

Asia

China

WIKA International Trading
(Shanghai) Co., Ltd.
200001 Shanghai
Phone: (+86) 21 - 53 85 25 73
Fax: (+86) 21 - 53 85 25 75
E-mail: info@wika.com.cn

WIKA Instrumentation
(Suzhou) Co., Ltd.
215011 Suzhou
Phone: (+86) 512 - 68 25 98 41
Fax: (+86) 512 - 68 25 44 62
E-mail: public@wikachina.com

India

WIKA Instruments India Pvt. Ltd.
Village Kesnand, Wagholi
Pune - 412 207
Phone: (+91) 20 - 66 29 32 00
Fax: (+91) 20 - 66 29 33 50
E-mail: sales@wika.co.in
www.wika.co.in

Japan

WIKA Japan K. K.
Tokyo 105-0023
Phone: (+81) 3-54 39 66 73
Fax: (+81) 3-54 39 66 74
E-mail: t-shimane@wika.co.jp

Kazakhstan

TOO WIKA Kazakhstan
050050 Almaty
Phone: (+7) 32 72 33 08 48
Fax: (+7) 32 72 78 99 05
E-mail: info@wika.kz
wika-kazakhstan@nursat.kz

Korea

WIKA Korea Ltd.
Seoul 153-023
Phone: (+82) 2 - 8 69 05 05
Fax: (+82) 2 - 8 69 05 25
E-mail: info@wika.co.kr

Malaysia

WIKA Instrumentation (M) Sdn.
Bhd.
Selangor Darul Ehsan
Phone: (+60) 3 - 56 36 88 58
Fax: (+60) 3 - 56 36 90 72
E-mail: info@wika.com.my
www.wika.com.my

Singapore

WIKA Instrumentation Pte. Ltd.
569625 Singapore
Phone: (+65) 68 44 55 06
Fax: (+65) 68 44 55 07
E-mail: info@wika.com.sg
www.wika.com.sg

Taiwan

WIKA Instrumentation Taiwan Ltd.
Pinjen, Taoyuan
Phone: (+886) 034 20 60 52
Fax: (+886) 034 90 00 80
E-mail: info@wika.com.tw
www.wika.com.tw

Europe

Austria

WIKA Messgerätevertrieb
Ursula Wiegand
GmbH & Co. KG
1230 Wien
Phone: (+43) 1-86 91 631
Fax: (+43) 1-86 91 634
E-mail: info@wika.at
www.wika.at

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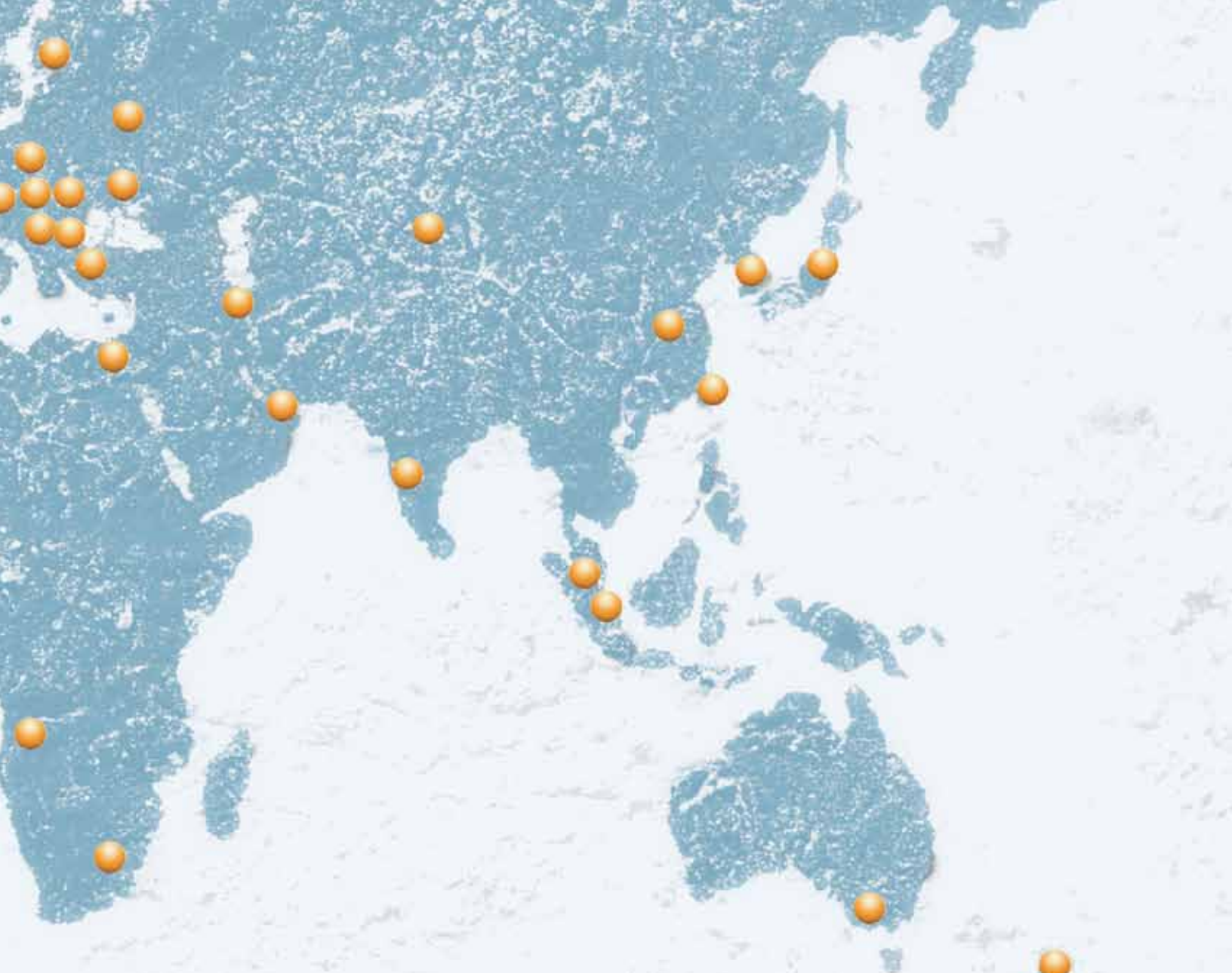
WIKA Benelux
6101 WX ECHT
Phone: (+31) 475-535 500
Fax: (+31) 475-535 446
E-mail: info@wika.nl
www.wika.nl

Bulgaria

WIKA Bulgaria EOOD
1309 Sofia
Phone: (+359) 2 82138-10
Fax: (+359) 2 82138-13
E-Mail: t.antonov@wika.bg

Finland

WIKA Finland Oy
00210 Helsinki
Phone: (+358) 9-682 49 20
Fax: (+358) 9-682 49 270
E-mail: info@wika.fi
www.wika.fi

**France**

WIKA Instruments s.a.r.l.
95610 Eragny-sur-Oise
Phone: (+33) 1-34 30 84 84
Fax: (+33) 1-34 30 84 94
E-mail: info@wika.fr
www.wika.fr

Germany

WIKA Alexander Wiegand
SE & Co. KG
Alexander Wiegand
Straße 30
63911 Klingenberg
Phone: (+49) 93 72-132 0
Fax: (+49) 93 72-132-406
E-mail: info@wika.de
www.wika.de

Italy

WIKA Italiana SRL
20020 Arese (Milano)
Phone: (+39) 02-93 86 11
Fax: (+39) 02-93 86 174
E-mail: info@wika.it
www.wika.it

Poland

Kujawska Fabryka Manometrow
-KFM S.A.
87-800 Wloclawek
Phone: (+48) 542 30 11 00
Fax: (+48) 542 30 11 01
E-mail: gawel@manometry.com.pl
www.manometry.com.pl

Romania

WIKA Instruments Romania S.R.L.
Bucuresti, Sector 5
Calea Rahovei Nr. 266-268
Corp 61, Etaj 1
Phone: (+40) 21 4563138
Fax: (+40) 21 4563137
E-mail: m.anghel@wika.ro

Russia

ZAO „WIKI MERA“
127015 Moskau
Phone: (+7) 495-786 21 25
Fax: (+7) 495-786 21 23
E-mail: info@wika.ru
www.wika.ru

Serbia and Montenegro

WIKI Merna Tehnika d.o.o.
11060 Belgrad
Phone: (+381) 11 27 63 722
Fax: (+381) 11 75 36 74
Mail: info@wika.co.yu
www.wika.co.yu

Spain

Instrumentos WIKI, S.A.
C/Josep Carner, 11-17
08205 Sabadell (Barcelona)
Phone: (+34) 902 902 577
Fax: (+34) 933 938 666
E-Mail: info@wika.es
www.wika.es

Switzerland

MANOMETER AG
6285 Hitzkirch
Phone: (+41) 41-919 72 72
Fax: (+41) 41-919 72 73
E-mail: info@manometer.ch
www.manometer.ch

Ukraine

WIKI Pribor GmbH
83016 Donetsk
Phone: (+38) 062 345 34 16
Fax: (+38) 062 345 34 16
E-mail: info@wika.donetsk.ua

United Kingdom

WIKI Instruments Ltd
Merstham, Redhill RH13LG
Phone: (+44) 17 37 64 40 08
Fax: (+44) 17 37 64 44 03
E-mail: info@wika.co.uk
www.wika.co.uk

Africa/Middle East**Egypt**

WIKI Alexander Wiegand GmbH
& Co. KG
Representative Office
11 El Sheikh Ahmed El - Sawy
from Makram Ebaid
Nasr City, Cairo
Phone: (+20) 2 - 227 33 140
Fax: (+20) 2 - 227 33 140
E-mail: ahmed.azab@wika.de

South Africa

WIKI Instruments (Pty.) Ltd.
Gardenview, Johannesburg 2047
Phone: (+27) 11-621 00 00
Fax: (+27) 11-621 00 59
E-mail: sales@wika.co.za
www.wika.co.za

United Arab Emirates

WIKI Middle East FZE
Jebel Ali, Dubai
Phone: (+971) 4 - 883 90 90
Fax: (+971) 4 - 883 91 99
E-mail: wikame@emirates.net.ae

Australia**Australia**

WIKI Australia Pty. Ltd.
Rydalme, NSW 2116
Phone: (+61) 2 - 88 45 52 22
Fax: (+61) 2 - 96 84 47 67
E-mail: sales@wika.com.au
www.wika.com.au

WIKI Australia Pty. Ltd.

Burwood East, VIC 3151
Phone: (+61) 3 - 88 47 20 00
Fax: (+61) 3 - 98 02 95 59
E-mail: sales@wika.com.au
www.wika.com.au



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WIKI Instrument Corporation
Pressure and Temperature Measurement
 1000 Wiegand Boulevard
 Lawrenceville, GA 30043
 Toll Free 1-888-WIKA-USA (945-2872)
 Tel (770) 513-8200 Fax (770) 338-5118
 info@wika.com • www.wika.com

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