Product Digest

WIKA's Featured Products

WIKA®

Why WIKA?
WIKA Measures Up!

With almost 70 years of experience, WIKA Instrument, LP is the leading global manufacturer of pressure and temperature measurement instrumentation, producing more than 43 million pressure gauges, diaphragm seals, pressure transmitters, thermometers and other instruments annually. WIKA's extensive product line, including mechanical and electronic instruments, provides measurement solutions for any application in a large variety of industries. A global leader in lean manufacturing and instrumentation experience, WIKA also offers a broad selection of stock and custom instrumentation as well as dedicated services to provide customers with the right solutions, at the right time, wherever they need us.

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

USA Manufacturing Facility - Lawrenceville, Georgia

Gayesco-WIKA USA - Pasadena, Texas

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

WIKA Instrument, LP

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
- 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 Care 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 Care 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 who are specialized to your particular industry.

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.

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 fill
Not applicable

Accuracy
±3/2/3% of span

111.10

111.12

Stainless Steel Case, Brass Internals, Field Repairable, Field Liquid-fill

212.54, 213.54

Size
2½", 4"

Case
304 SS

Ring
Stainless steel bayonet, twist-on

Wetted parts
Copper alloy

Window
Safety glass

Liquid fill
Dry (212.54); glycerine (213.54)

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-polycarbonate

Liquid fill
Not applicable

Accuracy
±1.0% of span

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.

Stainless Steel Case, Brass Internals, Field Liquid-fillable

212.53, 213.53

Size
2", 2½", 4"

Case
304 SS

Ring
Polished stainless steel, crimped-on

Wetted parts
Copper alloy

Window
Polycarbonate

Liquid fill
Dry (212.53); glycerine (213.53)

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

Hydraulic Gauge, Factory-filled Case

213.40

Size
2½", 4"

Case
Forged brass

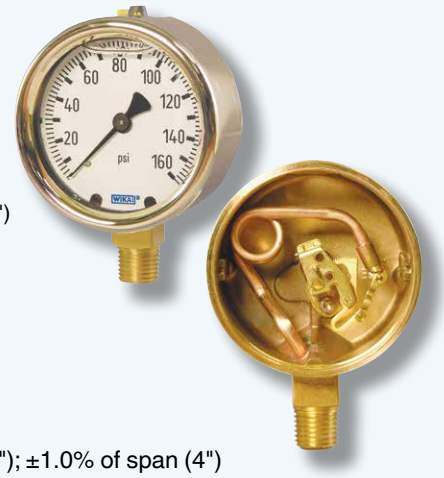
Ring
Gold-plated ABS (2½"); chrome-plated brass (4")

Wetted parts
Copper alloy

Window
Acrylic

Liquid fill
Glycerine

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



Stainless Steel Case, Brass Internals, Dry

212.20

Size
6"

Case
304 SS

Ring
Stainless steel bayonet, twist-on

Wetted parts
Copper alloy

Window
Flat instrument glass

Liquid fill
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 chemical industries that require high quality precision instruments.

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 and pumps which may produce excessive vibration and pulsation.

All Stainless Steel, Small Diameter

131.11

Size
1½", 2", 2½"

Case
304 SS

Bayonet ring
None

Wetted parts
316 SS

Window
Snap-in-acrylic

Liquid fill
1½" CBM only

Accuracy
±2.5% 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 SS

Window
Safety glass

Liquid fill
Dry (232.54); glycerine (233.54)

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

All Stainless Steel, Safety Case Design, Field Repairable, Field Liquid-fillable

232.30, 233.30*

Size
2½", 4", 4½", 6"

Ring
Stainless steel bayonet, twist-on

Wetted parts
316 SS

Window
Safety glass**

Liquid fill
Dry (232.30); glycerine (233.30)*

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

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

Panel Builder Gauge, Factory-filled Case

233.55 LBM

Size
2½"

Case
304 SS

Ring
Crimped tamper-proof bezel

Wetted parts
316 SS

Window
Safety glass

Liquid fill
Glycerine

Accuracy
±2/1/2% of span

All Stainless Steel, Field Liquid-fillable

232.53, 233.53

Size
2", 2½", 4"

Case
304 SS

Ring
Polished stainless steel, crimped-on

Wetted parts
316 SS

Window
Polycarbonate

Liquid fill
Dry (232.53); glycerine (233.53)

Accuracy
±2½% of span (2 and 2½"); ±1.0% of span (4")

All Stainless Steel, General Service, Field Liquid-fillable

132.53, 133.53

Size
4"

Case
304 SS

Ring
Polished stainless steel, crimped-on

Wetted parts
316 SS

Window
Polycarbonate

Liquid fill
Dry (132.53); glycerine (133.53)

Accuracy
±3/2/3% of span

The large 6" diameter of the type 232.50/233.50 gauge makes it ideal for critical 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 is ideal for steam service when properly equipped with a siphon.

All Stainless Steel, Field Repairable, Field Liquid-fillable

232.50, 233.50

Size
2½", 4", 4½", 6"

Case
304 SS

Ring
Stainless steel bayonet, twist-on

Wetted parts
316 SS

Window
Safety glass

Liquid fill
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 thermoplastic

Wetted parts
316 SS
and Inconel® X-750

Window
Polycarbonate

Liquid fill
Not applicable

Accuracy
±0.5% of span

*Note: External zero-reset standard

WIKA *XSEL*® 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; 23X.34 - 316 SS;
26X.34- Monel®

Window
Acrylic

Liquid fill
Dry (2X2.34); glycerine (2X3.34)

Accuracy
±0.5% of span

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 SS;
262.25HR - Monel®

Window
Flat instrument glass

Liquid fill
Not applicable

Accuracy
±0.5% of span

Low Pressure Process Gauge

6XX.34

Size
4½"

Case
Black fiberglass reinforced thermoplastic

Wetted parts
612.34 - copper alloy;
632.34 - 316 SS;

Window
Acrylic

Liquid fill
Available: 40" H_2O 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.

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 steel bayonet, twist-on

Wetted parts
316 SS

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 fill
Silicone (633.34) for
ranges 40" WC and up

Accuracy
± 2/1/2% of full span per ASME B40.100 Grade A

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.

Sealgauge

4XX.50, 4XX.12

Size
4", 6"

Case/upper housing
304 SS (43X.50);
Cast iron (422.12, 432.12)

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

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

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

Window
Laminated safety glass
(432.50, 452.50)
Instrument glass
(422.12, 432.12)

Liquid fill
Glycerine (optional)

Accuracy
±2.5% of span (452.50)

452.50
1" ASME 150# RF
Flanged Connection

432.50, 433.50
Stainless Steel

422.12, 432.12
Cast Iron Case

DP Gauge, Low Pressure, A2G-10

The A2G-10 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 systems.

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 -6/+6" WC

Accuracy
± 3.0% of full span
(±5.0% ranges ≤ 0.5" WC)

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

Panel Mount Shown
Surface Mount also available

DP Gauge, Low Pressure, A2G-15

This A2G-15 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 systems.

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 (±5.0% ranges ≤ 0.5"WC)

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 SS,
Solid front safety design
with blow-out back

Connection
1/4" NPT LM

Wetted parts
316L SS

Window
Safety glass

Ranges
0 ... 15 psi to 0 ... 15,000 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.

PGS21

Size
1½", 2"

Case
304 SS 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 ... 6,000 psi
2" - 0 ... 15 psi to 0 ... 6,000 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

Differential Pressure Gauge, Piston Style

These piston-style differential pressure gauges are suited for use in applications requiring low/medium differential pressure ranges in combination with high working pressures. The 700.04/05 series is intended for measuring pressure drops across filters, strainers, separators, heat exchangers and gas recovery systems.

700.04 / 700.05

700.05 2½"

700.05 4½"

Size
2½", 4½"

Case & bezel
Reinforced plastic

Sensor housing
316L SS or black anodized aluminum

Wetted parts
Aluminum or 316 SS sensor housing
316 SS spring, ceramic magnet,
Buna-N separation diaphragm (700.05)
Viton® sealing rings (700.04)

Window
Acrylic or shatter-resistant safety glass

DP ranges
0…5 psid thru 0…100 psid (700.04)
0…50" H_2O thru 0…100 psid (700.05)

Max. working pressure
6,000 psig (700.04)
3,000 psig (700.05)

Accuracy (applied to ascending pressure only)
700.04: ± 2% of full span
700.05: ± 3% of full span (ranges 0...15 psid and up)
± 5% of full span (ranges below 0...15 psid)

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 ... 1,000 psid

Working pressure
1½ times of full scale

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

Differential Pressure Gauge, Dual Diaphragm Style

This dual diaphragm / liquid filled sensor element type gauge is designed for applications requiring low / medium differential pressure ranges in combination with high working pressures. The 732.25 is used in a variety of industrial applications, including rotating equipment systems (turbines), flow measurement and for applications in a corrosive environment with liquid or gaseous media.The 732.26 is standard suitable for O2 service and is ideally for cryogenic applications, such as liquid level measurement.

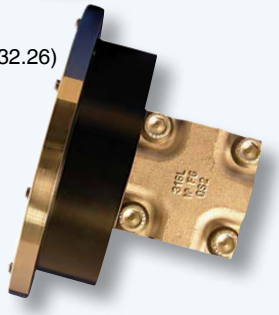
732.25 / 732.26

Size
4½", 6"

Case
Black powder-coated aluminum or 304 SS (optional)

Bezel
Stainless steel polished

Sensor housing
316L SS



Wetted parts
Monel® diaphragm (732.25), 316 SS diaphragm (732.26)

Window
Acrylic or shatter-resistant safety glass

DP ranges
0…100" H_2O thru 0…600 psid

Max. working pressure
3,000 psig (732.25), 600 psig (732.26)

Accuracy
±1% of span

Differential Pressure Gauge "Cryo Gauge"

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

712.15

Size
6"

Case
304 SS 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 ... 16" WC to 0 ... 1600" WC

Maximum working pressure
750 psig

Accuracy
+/- 2.5% of full scale

Available accessories
3-way manifold with 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 SS with porous, piston and throttling types.

910.12.100, 910.12.200, 910.12.300

910.12.100
Porous

910.12.200
Piston

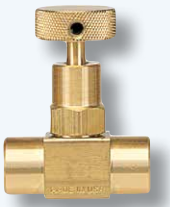
910.12.300
Throttling

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 SS. 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 Over-pressure Protector

Over-pressure protectors protect the pressure gauge from damaging spikes and surges that exceed the rated capacity of the instrument. WIKA over-pressure protectors come in seven selectable ranges from 6 psi to 8,700 psi. Available in 316 SS.

910.13

Electronic Pressure Measurement

General Purpose Pressure 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-20

Ranges
10 psi to 20,000 psi
vacuum, compound, absolute

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

Accuracy
≤0.5%, ≤0.25%, ≤0.125% 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 8,000 psi, vacuum, compound, absolute

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

Accuracy
≤0.25% B.F.S.L.

High Pressure Transmitter

The 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.

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

Accuracy
Up to 0.05% (terminal based)

P-30

Field Case Transmitters

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 (F-20)
30"-0 HgVac to 8,000 psi (F-21)

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

Accuracy
≤ 0.25% B.F.S.L.

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 (Pressure)

Ranges
Vacuum, compound and gauge ranges up to 8,000 psi

Display
Red 4-digit LED, .35" high, 14 segments

Switch points
Solid state user programmable, NPN or PNP, single or dual

TSD-30 (Temperature)

LSD-30 (Level)

UniTrans®

The UniTrans® has a turndown capability of up to 1:20, a 0.15% accuracy and an integral temperature sensor. An intrinsically safe version is also available with a HART communications interface (IUT version only).

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

Hazardous Area Pressure Transmitters

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

E-10, E-11

Ranges
30"-0 HgVac to 15,000 psi (E-10), 30"-0 In HGVac to 8,000 psi (E-11), vacuum, compound, absolute

Output
4-20 mA or 1-5V low power

Accuracy
≤0.25% B.F.S.L.

Non-incendive Transmitters

The N series 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 (N-10), 50 InWC to 8,000 psi (N-11), vacuum, compound, absolute

Output
4-20 mA or 1-5V low power

Accuracy
≤0.25% B.F.S.L.

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, IS-21-F, IS-20-H

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

Output
4-20 mA

Accuracy
≤0.25% B.F.S.L.

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-20

Accuracy
0.1%

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

LevelGuard Anti-clog Attachment 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 Electronic Pressure Measurement 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
-1,999 to +9,999 user-programmable

Output
4-20 mA

Power
Loop powered with 3 VDC drop

Application
For use with Electronic Pressure Measurement industrial (S-10, S-11) and A-10 pressure transmitters (with DIN plug)

Attachable Loop Powered Local Indicator

A-10 transmitter not included

General Purpose 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,
Vacuum, compound, absolute

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

Accuracy
≤ (+/-) 0.5% B.F.S.L.

c UL us LISTED CE available

General Purpose Pressure 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.

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.L.

c UL us LISTED CE

MH-2 Mobile Hydraulic Transmitter MHC-1 CANopen® or J1939 Transmitter

The mobile hydraulic 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

Ranges
100 psi to 8,000 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.

MHC-1

Ranges
1000 psi to 10,000 psi

Outputs
CANopen® or J1939

CE CANopen

PROFIBUS-DP Interface Transmitter

The D-10-7 and D-11-7 transmitters with accuracies of 0.1 % (or 0.05%) have been designed to enable direct communication to a PC, which is required in the field of test, calibration and service technology.

D-10-7, D-11-7

Ranges
5 psi to 15,000 psi

Output
PROFIBUS-DP (EN 501730)

Accuracy
Up to 0.05% B.F.S.L.

CE

CANopen Transmitter

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

D-20-9, D-21-9

Ranges
5 psi to 15,000 psi

Output
CAN (DIN / ISO 11898)

Accuracy
+≤0.25% B.F.S.L.

CE CANopen

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

910.ZA

Instrument connection
¼" or ½" NPT female, capillary

Process connection
3" pipe and up

Pressure rating
1,500 psi

Suitable pressure
15 psi to1,500 psi

Wetted parts
SST, other consult factory

Standard Version, Threaded / Flanged

990.10/12

Instrument connection
¼" or ½" NPT
female, capillary

Process threaded connection
¼" to 1" threaded:
½" to 2" flanged RF

Pressure rating
Threaded: up to 3,675 psi;
Flanged: 150# to
1500# per ASME B16.5

Suitable pressure
15 psi to 3,675 psi

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

Available as an Express Lane product

Flange-type Flush

990.27

Instrument connection
¼" or ½" NPT female, capillary

Process connection
Flanged: 2" to 4" RF

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

Suitable pressure
10" in H_2O to 2500#
per ASME B16.5

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

All-welded System (AWS)

M93X.D1

Size
4½"

Case
Fiberglass reinforced thermoplastic

Wetted parts
316L SS, Monel®,
Hastelloy® C-276

Window
Acrylic

Process
½" NPT male connection

Liquid fill
Silicone, DC200-10

Accuracy
±0.5% of span

Options
Consult factory

Available as an Express Lane product

Wafer InLine SEAL

981.10

Instrument connection
¼" or ½" NPT female, capillary

Process connection
Flanged: 1" to 6" RF; wafer

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

Suitable pressure
10 psi to 6,000 psi

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

Sanitary Assemblies

Sanitary seals are designed for applications in the pharmaceutical, biotechnology, and food and beverage industries and 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® design meets the criteria set by "3A".

Standard Version, Sanitary Tri-Clamp®

L990.22

Instrument connection
¼" or ½" NPT female, capillary

Process connection
1½" to 4" Tri-Clamp®

Pressure rating
Up to 1,500 psi

Suitable pressure
5 psi to 1,500 psi

Wetted parts
SST, other-consult factory

Sanitary InLine SEAL

L981.22

Instrument connection
¼" or ½" NPT female, capillary

Process connection
¾" to 4" Tri-Clamp®

Pressure rating
Up to 1,500 psi

Suitable pressure
5 psi to 1,500 psi

Wetted parts
SST, other-consult factory

3A Sanitary Pressure Transmitters

S-10-3A

S-10-3A

Ranges
5 psi to 1,000 psi vacuum, compound

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

Process connection
¾" up to 4" Tri-Clamp®

Accuracy
≤ 0.25% B.F.S.L.

SA-11

SA-11

Ranges
100 InWC to 400 psi, vacuum, compound

Output
4-20 mA

Process connection
1½" and 2" Tri-Clamp®

Accuracy
≤ 0.25% B.F.S.L.

Sanitary System, Field Liquid-fillable Case

M93X.25

Size
2½"

Case
Polished stainless steel

Ring
Polished stainless steel, crimped

Wetted parts
316L SS

Window
Polycarbonate

Process connection
¾" Tri-Clamp®

Accuracy
+2/1/2% of span

Sanitary System, Field Liquid-fillable Case

M93X.3A

Size
2½", 4"

Case
Stainless steel, electropolished

Ring
Polished stainless steel

Wetted parts
316L SS electropolished

Window
Polycarbonate

Process connection
1", 1½", 2" Tri-Clamp®, lower or back mount

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

Sanitary Transmitter Assembly

F-20-3A

1½" Connection

¾" Connection

Ranges
5 psi to 1,500 psi vacuum, compound

Output
4-20 mA

Wetted parts
316L SS, electropolished

Process connection
¾" up to 4" Tri-Clamp®

Accuracy
≤ 0.25% B.F.S.L.

Process Grade Bimetal Thermometers

WIKA's bimetal process grade thermometers are suitable for nearly 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 SS

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 B40.200 Grade A

TI.32

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

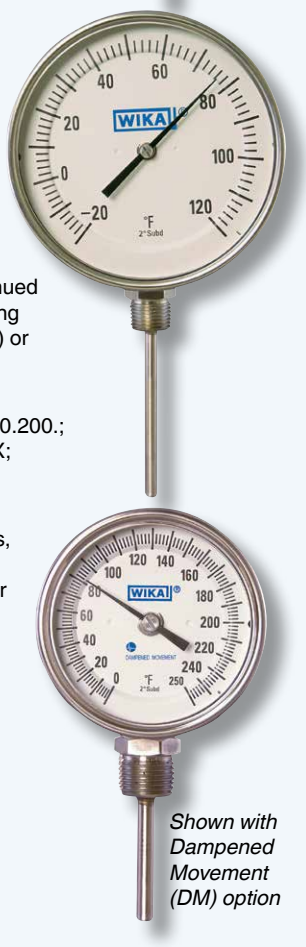
External reset
A slotted hex adjustment head offers screwdriver or wrench use to field calibrate the thermometer

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 B40.200.; 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 SS wetted parts; safety glass; Lexan® and acrylic windows; silicone fill



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 and 54 are warranted for one year.

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

Size
2", 3" or 5"

Case & stem
304 SS

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

TI.20

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 B40.200.; ingress protection IP 65; NEMA 4X; guaranteed not to fog

TI.54

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

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 SS

Stem lengths
5", 8", 12", 15", 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

TI.T17

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

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 ±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 ½" and ¾" 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.

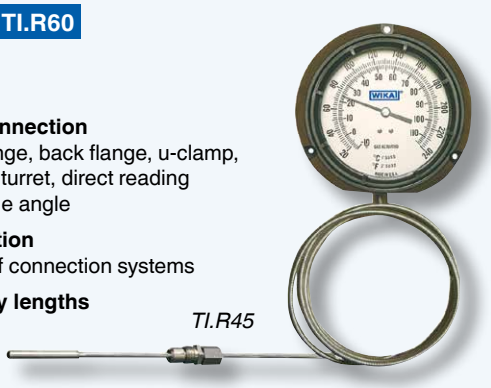
TI.R45, TI.R60

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 and development and industrial applications.

TI.80, TI.82

Type
TI.80 - center back mount; TI.82- adjustable angle

Range
-50/300°F (-50/150°C)

Case & stem
304 SS

Lens
Glass-standard

Connection
½" NPT

Sensor
Ceramic thermistor 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

Case
High-impact ABS

Range
-50/300°F (-50/150°C)

Accuracy
±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 style
Front flange, back flange, u-clamp

Process Connection
Plain, threaded union, thermowell

Capillary lengths
Up 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

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

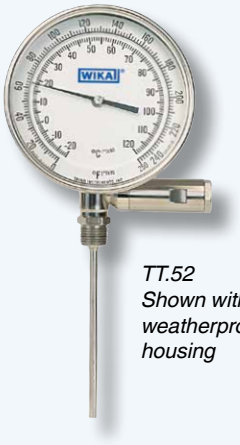
Length
T/C 2½" to 48"; RTD 4" to 48"

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

Options
¼" NPT, explosion-proof housing, straight barrel explosion-proof housing

TT.52 Shown with enclosure head



TT.30 Shown with female plug-in option

TT.52 Shown with weatherproof housing

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.FL / TW10, TW.TH / TW15, TW.SW / TW20, TW.WI / TW25, TW.SC / TW30

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
304 SS

Ring
Stainless steel bayonet, twist-on

Wetted parts
312.20 - copper alloy;
332.30 - 316 SS

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 Accuracy Test Gauge, Grade 3A

332.54

Size
4"

Case
304 SS

Ring
Polished stainless steel bayonet, twist-on

Wetted parts
316 SS

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

Direct Drive Test Gauge, Grade 3A

332.34DD

Size
4½"

Case
Red thermoplastic

Window
Polycarbonate

Ranges
Vacuum / compound to 300 psi
Pressure from 30 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 SS

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
Black fiberglass reinforced thermoplastic

Wetted parts
316 SS

Window
Acrylic

Ranges
Vacuum 30" Hg; pressure from 15 psi to 20,000 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 SS - 332.25,
Copper alloy - 312.25

Window
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

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.

Hand-held Pressure Calibrator

CPH 6600

Ranges
-28" Hg to 30 psi

Display
Pressure, temperature and mA output simultaneously

Pump
Integrated hand pump (300 psi)
Integrated electric pump (ranges 30 psi and 150 psi)

Accuracy
Certified to NIST 0.025%

Features
Source/measure 4 ... 20 mA and 24 V loop power to power device under test
Pt100 RTD input for temperature measurement, accurate to 0.2 °F (measurement only)

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...1,000 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

Pneumatic & Hydraulic Hand Pumps

WICP-L100

Operating Pressure Range
-12...100 psi

Maximum Pressure Range
150 psi

Connection
1, 1/8" FNPT port

WICP-M500

Operating Pressure Range
-12...600 psi

Maximum Pressure Range
750 psi

Connection
1, 1/4" FNPT (top)
1, 1/8" FNPT (side)

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

WICP-H10K

Operating Pressure Range
0...10,000 psi

Maximum Pressure Range
10,000 psi

Connection
2, 1/4" FNPT (top and side)
1, 1/8" FNPT port (for use with pressure relief valve only)

WIKA Diaphragm Seal *Express Lane* program:

Program Intro:

Unfortunately, unplanned shutdowns and failures happen, causing unexpected product needs to arise. Fortunately though, WIKA In

How the Express Lane Program Works:

WIKA offers a standard 12 business days, minimum, lead time for all Diaphragm Seal products, while nonstandard products may require longer lead times based on the order and available capacity.

If you need your Diaphragm Seal order shipped in less than 12 business days, the WIKA Express Lane Program offers 3 convenient ordering options:

Express Lane Option	**Express Lane Program Charge**	**Quantity Limit**
5 Business Days*	1.35X	50 pieces
2 Business Days*	2X	5 pieces
1 Business Day*	3X	2 pieces

*Terms and conditions apply. Lead times vary based on existing capacity, order quantity and availability. For a full explanation of terms and conditions, visit www.wika.com.

Visit our website or request a brochure for more details:

www.wika.com

WIKA's FAST Program

Reducing Costs and Improving Reliability

FAST™
FULL AUDIT SERVICE TEAM

WIKA's FAST (Full Audit Service Team) engineers work to help you establish a sustainable gauge maintenance program that reduces costs every year, and improves uptime and safety.

$51,171 Savings

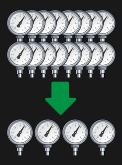
$0 Cost

$3,240 Inventory

Reduce complexity and standardize

RESULT

Reduce carried inventory and misapplication



$12,500 Reliability

Specify correct configurations for process conditions

RESULT

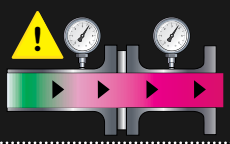
Reduce frequency of gauge failures

$5,333 Maintenance

Reduce time spent replacing gauges

RESULT

More time to troubleshoot, engage in PdM efforts



$30,098 Engineering Resources

(Instrument Audit, Data Analysis, Recommendations, Implementation Support)

Instrument Audit

- Field inspection of all gauge installations
- Review of existing inventory
- Certified Instrumentation Engineers (TWIC, OSHA, reciprocal, etc.

Data Analysis

- Maximize field coverage
- Minimize complexity of configurations
- Eliminate redundant, obsolete or wasted inventory

Support

- ERP Import Sheets
- MOC Documents
- Easy Order Guide
- Physical Gauge Tagging

New Gauge Population & Culture

$21,073
Ongoing Annual Savings

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XSEL® with All-Welded System
M93X.D1 (AWS)

General Purpose Pressure Transmitter
S-20

WIKA provides distinctive service and support to our channel partners and customers:

- Award winning U.S.-based manufacturing, sales and ordering customer service and technical support
- Certified technical specialists who conduct Best Practice Instrument Reviews with performance improvement reports
- An in-house engineering team for product customization and innovation
- Proven capabilities to connect with customer business processes for ordering and inventory management
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WIKA Instrument, LP
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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