

WIKA 4375986

WIKA 732.26 Differential Pressure Gauge User Manual

Model: 4375986

1. PRODUCT OVERVIEW

The WIKA 732.26 Differential Pressure Gauge, model 4375986, is a precision instrument designed for measuring differential pressure. This gauge features a 4.5-inch dial and a measurement range of 0-100 inches of water column (WC). Manufactured by Cole-Parmer in the United States, it boasts an accuracy of $\pm 1\%$ full-scale (ANSI/ASME Grade 1A).

Key features include:

- **Accuracy:** 1 percent full-scale (ANSI/ASME Grade 1A)
- **Case:** 316L stainless steel
- **Diaphragm Fill:** Halocarbon
- **Display:** Analog digital
- **Lens Material:** Acrylic

PRODUCT IMAGE



A detailed view of the WIKA 732.26 Differential Pressure Gauge, showing its circular dial, stainless steel casing, and measurement scale from 0 to 100 in.H₂O. The dial indicates 'differential pressure' and 'US NO OIL'.

2. SPECIFICATIONS

Attribute	Detail
Model Number	4375986
Brand	WIKA
Measurement Range	0-100"WC (inches of water column)
Accuracy	±1% full-scale (ANSI/ASME Grade 1A)
Case Material	316L Stainless Steel
Diaphragm Fill	Halocarbon
Display Type	Analog
Lens Material	Acrylic
Package Dimensions	5 x 5 x 5 inches
Item Weight	2 Pounds
Manufacturer	COLE-PARMER
Date First Available	July 18, 2012

3. SETUP AND INSTALLATION

Proper installation is crucial for accurate readings and the longevity of the WIKA 732.26 Differential Pressure Gauge. It is recommended that installation be performed by qualified personnel.

1. **Unpacking:** Carefully remove the gauge from its packaging. Inspect for any visible damage that may have occurred during transit. Do not use if damaged.
2. **Mounting:** The gauge should be mounted in a location where it is easily accessible for reading and maintenance, and protected from excessive vibration, temperature fluctuations, and direct sunlight. Ensure the mounting surface is stable and secure.
3. **Process Connection:** Connect the gauge to the process lines using appropriate fittings. Ensure all connections are tight to prevent leaks. Refer to the specific connection type of your gauge model for proper fitting selection.
4. **Pressure Equalization:** Before applying differential pressure, ensure that both high and low pressure ports are open to the same pressure or are properly vented to atmosphere to prevent damage from sudden pressure surges.
5. **System Integration:** Integrate the gauge into your system according to your specific application requirements. Ensure that the pressure limits of the gauge (0-100"WC) are not exceeded.

Caution: Exceeding the maximum static or overpressure safe limit (500 psi) can cause permanent damage to the gauge and may lead to system failure or injury.

4. OPERATING INSTRUCTIONS

The WIKA 732.26 Differential Pressure Gauge provides a clear analog display for differential pressure readings.

1. **Understanding the Dial:** The gauge dial is marked from 0 to 100 in.H₂O (inches of water column). The needle indicates the current differential pressure.
2. **Applying Pressure:** Once installed, apply the differential pressure across the high and low ports. The gauge will respond by moving the needle to the corresponding pressure value.
3. **Reading the Gauge:** Read the value indicated by the tip of the needle on the scale. For optimal accuracy, read the gauge directly from the front to avoid parallax error.
4. **Normal Operation:** During normal operation, monitor the gauge regularly to ensure the system is functioning within desired pressure parameters.

Note: The gauge is marked "US NO OIL," indicating it is suitable for applications where oil-free measurement is required or preferred.

5. MAINTENANCE

Regular maintenance ensures the continued accuracy and reliability of your WIKA differential pressure gauge.

- **Cleaning:** Clean the acrylic lens and stainless steel case with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the materials.
- **Inspection:** Periodically inspect the gauge for any signs of physical damage, corrosion, or leaks at the connections.
- **Calibration:** While the gauge is factory calibrated, periodic re-calibration by a qualified technician may be necessary depending on application requirements and industry standards.
- **Storage:** If storing the gauge, ensure it is kept in a clean, dry environment within its specified temperature range.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your differential pressure gauge.

- **No Reading or Incorrect Reading:**

- Check if the gauge is properly connected to both high and low pressure ports.
- Ensure there is actual differential pressure being applied.
- Verify that the pressure range of the gauge matches the expected process pressure.
- Inspect for blockages in the pressure lines leading to the gauge.

- **Gauge Needle Fluctuates Excessively:**

- This may indicate pulsations in the process pressure. Consider installing a snubber or dampener if not already present.
- Check for vibrations in the mounting location.

- **Visible Damage or Leaks:**

- If the gauge casing or lens is cracked, or if leaks are detected at the connections, the gauge may need to be replaced or professionally repaired. Do not attempt to repair internal components.

For issues not covered here, or for complex problems, contact WIKA technical support or a certified instrument technician.

7. WARRANTY AND SUPPORT

WIKA products are manufactured to high standards of quality and reliability. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official WIKA website. Protection plans may also be available for extended coverage.

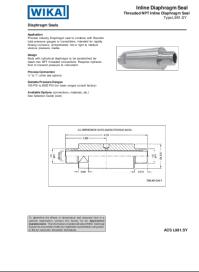
For technical assistance, product inquiries, or service, please contact WIKA customer support. Ensure you have your model number (4375986) and serial number (if applicable) ready when contacting support.

WIKA Official Website: www.wika.com

© 2023 WIKA. All rights reserved. Information subject to change without notice.

Related Documents

	<p><u>WIKA A2G-10 & A2G-15 Differential Pressure Gauges: Operating Instructions</u></p> <p>This document provides comprehensive operating instructions for the WIKA A2G-10 and A2G-15 differential pressure gauges. These instruments are designed for monitoring differential pressure in ventilation and air-conditioning applications, utilizing state-of-the-art technology and adhering to stringent quality standards, with management systems certified to ISO 9001 and ISO 14001.</p>
---	---

 <p>Standard product portfolio</p> <p>WIKA Smart in sensing</p>	<p>WIKA Standard Product Portfolio: Pressure, Temperature, Level, Force, Flow, Calibration</p> <p>Discover WIKA's extensive standard product portfolio, offering high-precision measurement and calibration solutions for pressure, temperature, level, force, and flow. Explore reliable industrial instruments designed for accuracy and performance across various applications.</p>
	<p>WIKA L981.SY Inline Diaphragm Seal - Threaded NPT Datasheet</p> <p>Comprehensive datasheet for the WIKA L981.SY Threaded NPT Inline Diaphragm Seal. Details application, design, materials, pressure ranges, connection options, and ordering information for process industry use.</p>
	<p>WIKA TR10-0 and TC10-0 Resistance Thermometer and Thermocouple Operating Instructions</p> <p>Comprehensive operating instructions for WIKA's TR10-0 resistance thermometers and TC10-0 thermocouples, detailing installation, connection, safety, and specifications for industrial applications, including hazardous areas.</p>

Documents - WIKA – 4375986



[\[pdf\] Warranty Borchure](#)

WIKA Differential Pressure Measurement Technology 700 04 05 H2O Instrument Corporation Go Now
Wika View list technology news Url webapps wika apps literature Brochure B004 Download free or Buy Books |||

Pumps Filters Cryogenics Differential Pressure Measurement Technology R Industrial Series WIKA s 7 ... aximum working pressure 600 PSIG 2 x NPT female top/back connection Ranges 4 6 0/100 H2O **4375986** 4374246 0/150 H2O 4375994 4376036 0/200 H2O 4376001 4376044 0/300 H2O 4376019 43760...

lang:en **score:23** filesize: 686.49 K page_count: 4 document date: 2009-07-24

[\[pdf\]](#) Catalog

WIKA Selecting a Pressure Gauge Product Catalog Valin wika selecting pressure gauge product catalog pg 2 7 57 files valinonline userfiles documents |||

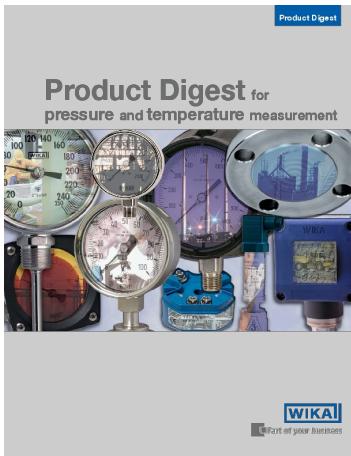
Product Catalog Selecting a Pressure Gauge Selecting a Pressure Gauge When selecting a pressure gauge ... onn. Size 2 x 1/4 NPT Female, Top/Btm 100 H2Od 150 H2Od 200 H2Od 300 H2Od 400 H2Od 15 psid **4375986** 4375994 4376001 4376019 4376027 4374246 4376036 4376044 4376052 4376060 30 psid 60 psid ... lang:en **score:21** filesize: 483.53 K page_count: 7 document_date: 2021-04-30

Product Catalog > Table of Contents

[pdf] Catalog

BR CAT Mechanical Pressure en us 17802 wika 80 upload ||

Product Catalog Table of Contents Table of Contents Selecting a Pressure Gauge 2
Chemical Compa ... onn. Size 2 x 1/4 NPT Female, Top/Btm 100 H2Od 150 H2Od
200 H2Od 300 H2Od 400 H2Od 15 psid **4375986** 4375994 4376001 4376019
4376027 4374246 4376036 4376044 4376052 4376060 30 psid 60 psid ...
lang:en **score:14** filesize: 6.44 M page_count: 68 document_date: 2014-11-25

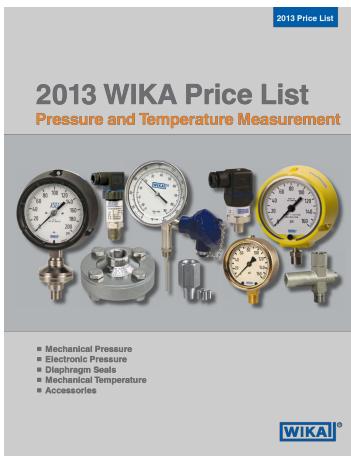


[\[pdf\] Accessories Catalog](#)

TOC BW.indd.jhughes Wika Product Digest Catalog dpk3n3gg92jwt cloudfront.net domains ryanherco2 attachments |||

Product Digest Product Digest for pressure and temperature measurement Table of Contents Selectin ... ull span per ASME B40.1 Grade 1A 0/100 H2O 0/150 H2O 0/200 H2O 0/300 H2O 0/400 H2O 0/15 psid **4375986** 4375994 4376001 4376019 4376027 4374246 4376036 4376044 4376052 4376060 Service: Cleaned f...

lang:fr score:13 filesize: 5.54 M page_count: 432 document date: 2015-04-29



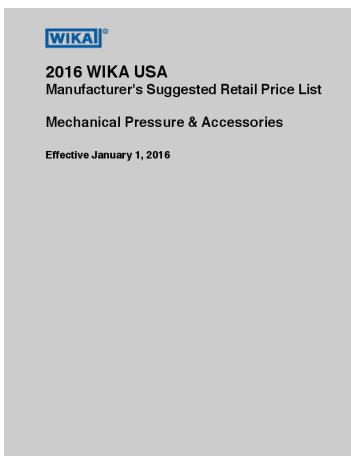
[\[pdf\] Specifications Accessories Price List](#)

2013 WIKA Price List Mechanical Pressure and Temperature Measurement Diaphragm Seals

Accessories Instrument LP Go Now Wika View corporation list Url us shop wika upload BR PL Full en 46471 |||

2013 Price List 2013 WIKA Price List Pressure and Temperature Measurement Mechanical Pressure Elec ... 5935 4375943 4375951 4375969 4375977 732.26 4 6 2 x NPT Female, Top/Bottom 1,802.00 1,802.00 **4375986** 4374246 4375994 4376036 4376001 4376044 4376019 4376052 4376027 4376060 N/A N/A Factory s...

lang:en score:12 filesize: 5.16 M page_count: 276 document date: 2013-02-08

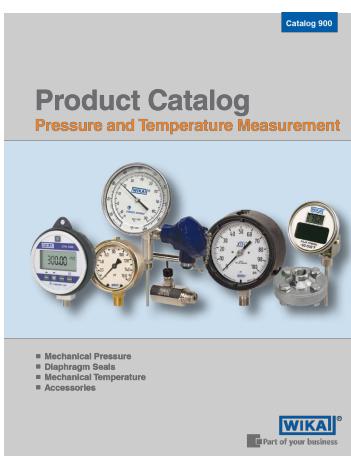


[\[pdf\] Specifications Accessories Price List](#)

BR PL Mechanical Pressure en us 18444 wika 80 upload |||

R 2016 WIKA USA Manufacturer's Suggested Retail Price List Mechanical Pressure Accessories Effecti ... 0 inH2Od 400 inH2Od 15 psid 30 psid 60 psid 100 psid 300 psid 400 psid 500 psid 600 psid 1,338.92 **4375986** 4375994 4376001 4376019 N/A 1,338.92 4374246 4376036 4376044 4376052 4376060 N/A Referenc...

lang:en score:12 filesize: 3.64 M page_count: 182 document date: 2015-11-19



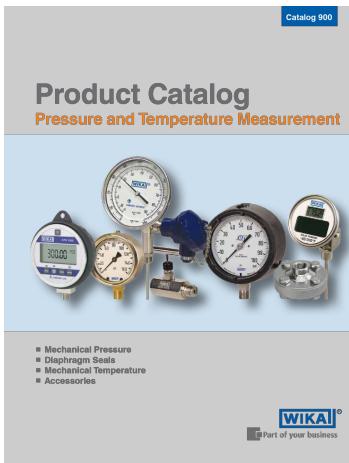
[\[pdf\] Datasheet Accessories Borchure Catalog](#)

WIKA Catalog 900 pressure gauge liquid filled Bimetal Twin Temp Gas Actuated Thermometers

Thermowell Valves Overpressure Protector Adaptor Coupling Siphon Restrictor Sealgauge Low Pressure Differential High Precision Calibration Test Equipment Seal Instrument Corporation MSC Industrial Supplyhead oflers screwdriver or wrench use to field calibrate the thermometer hard seat version is industry standard Soft versions are ideal pds sku 1463239 productbrochure unclassifiedcdn mscdirect global images ProductDataSheet pds unclassified |||

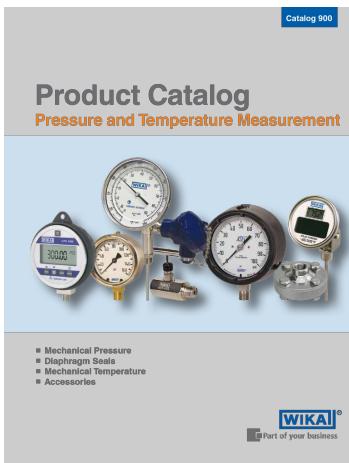
Catalog 900 Product Catalog Pressure and Temperature Measurement Mechanical Pressure Diaphragm Sea ... onn. Size 2 x 1/4 NPT Female, Top/Btm 100 H2Od 150 H2Od 200 H2Od 300 H2Od 400 H2Od 15 psid **4375986** 4375994 4376001 4376019 4376027 4374246 4376036 4376044 4376052 4376060 30 psid 60 psid ...

lang:en score:10 filesize: 8.7 M page_count: 189 document date: 2010-10-01



[\[pdf\] Specifications Accessories Catalog](#)

WIKA Catalog 900 pressure gauge liquid filled Bimetal Twin Temp Gas Actuated Thermometers Thermowell Valves Overpressure Protector Adaptor Coupling Siphon Restrictor Sealgauge Low Pressure Differential High Precision Calibration Test Equipment Seal mechanical temperature high precision gauges bimetal thermometers commercial industrial process calibration equipment assembled seals threaded flanged thermowells digital twi flan Instrument Corporation Query ASSET ID 5067656 USE TYPE SPECIFICATION PRODUCT 4104041 api ferguson dar step service ||| Catalog 900 Product Catalog Pressure and Temperature Measurement Mechanical Pressure Diaphragm Sea ... onn. Size 2 x 1/4 NPT Female, Top/Btm 100 H2Od 150 H2Od 200 H2Od 300 H2Od 400 H2Od 15 psid **4375986** 4375994 4376001 4376019 4376027 4374246 4376036 4376044 4376052 4376060 30 psid 60 psid ... lang:en **score:10** filesize: 8.5 M page_count: 189 document date: 2011-03-03



[\[pdf\] Specifications Accessories Catalog](#)

WIKA Catalog 900 pressure gauge liquid filled Bimetal Twin Temp Gas Actuated Thermometers Thermowell Valves Overpressure Protector Adaptor Coupling Siphon Restrictor Sealgauge Low Pressure Differential High Precision Calibration Test Equipment Seal mechanical temperature high precision gauges bimetal thermometers commercial industrial process calibration equipment assembled seals threaded flanged thermowells digital twi flan Instrument Corporation SPECIFICATION 4 1 2 x in 160 psi Stainless Steel Lower Mount Gauge Ferguson 4838079 5067656 specification fergusonprod a bigcontent io v1 static ||| Catalog 900 Product Catalog Pressure and Temperature Measurement Mechanical Pressure Diaphragm Sea ... onn. Size 2 x 1/4 NPT Female, Top/Btm 100 H2Od 150 H2Od 200 H2Od 300 H2Od 400 H2Od 15 psid **4375986** 4375994 4376001 4376019 4376027 4374246 4376036 4376044 4376052 4376060 30 psid 60 psid ... lang:en **score:10** filesize: 8.52 M page_count: 189 document date: 2011-03-03