

**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.H<sub>2</sub>O. 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

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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.H<sub>2</sub>O (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

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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

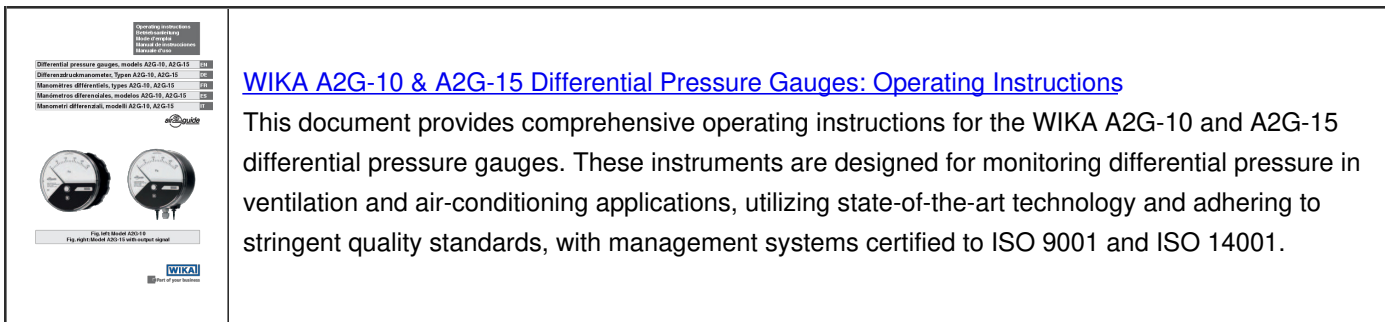
WIKA products are manufactured to high standards of quality and reliability. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official WIKA website. Protection plans may also be available for extended coverage.


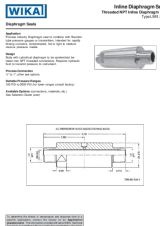

For technical assistance, product inquiries, or service, please contact WIKA customer support. Ensure you have your model number (4375986) and serial number (if applicable) ready when contacting support.

**WIKA Official Website:** [www.wika.com](http://www.wika.com)

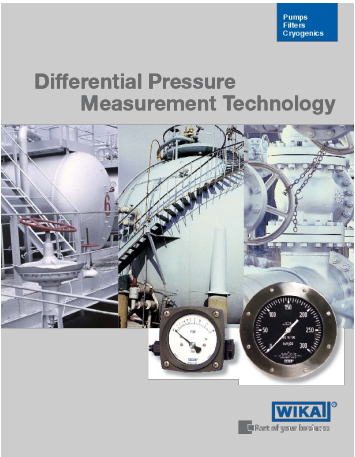
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## Related Documents



 <p>Process Technology, Level, Force, Flow, Calibration</p> <p>Standard product portfolio</p> <p><b>WIKAI</b> Smart Technology</p>	<p><a href="#">WIKAI Standard Product Portfolio: Pressure, Temperature, Level, Force, Flow, Calibration</a></p> <p>Discover WIKAI'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><b>WIKAI</b> Inline Diaphragm Seal Threaded NPT</p>	<p><a href="#">WIKAI L981.SY Inline Diaphragm Seal - Threaded NPT Datasheet</a></p> <p>Comprehensive datasheet for the WIKAI L981.SY Threaded NPT Inline Diaphragm Seal. Details application, design, materials, pressure ranges, connection options, and ordering information for process industry use.</p>
 <p>Resistance Thermometer TR10-0 and Thermocouple TC10-0 Operating instructions</p>	<p><a href="#">WIKAI TR10-0 and TC10-0 Resistance Thermometer and Thermocouple Operating Instructions</a></p> <p>Comprehensive operating instructions for WIKAI's TR10-0 resistance thermometers and TC10-0 thermocouples, detailing installation, connection, safety, and specifications for industrial applications, including hazardous areas.</p>

Documents - WIKAI – 4375986

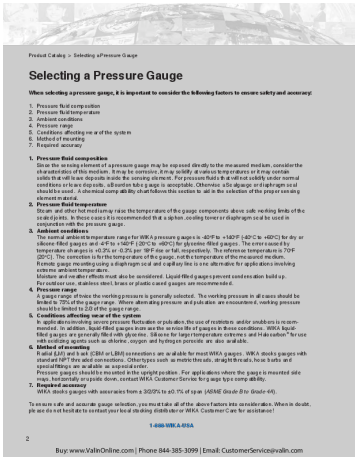


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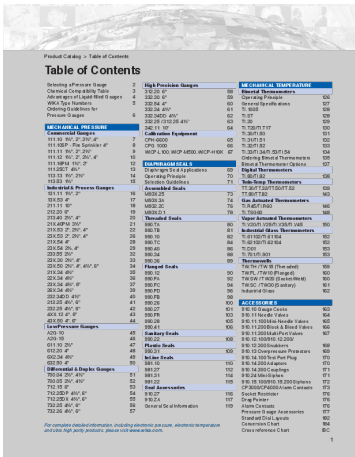
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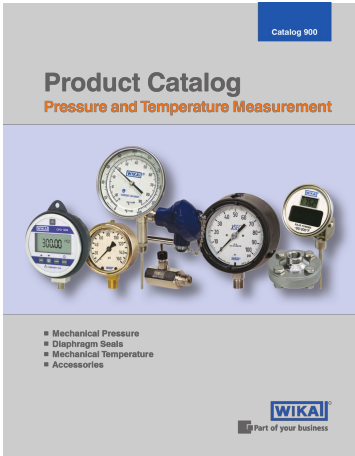
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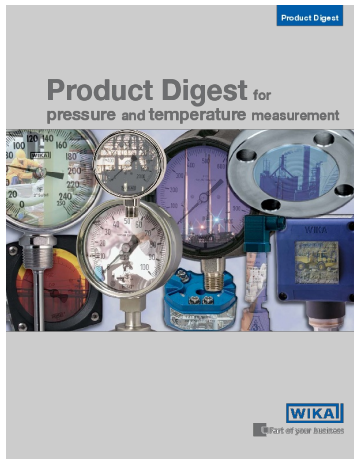
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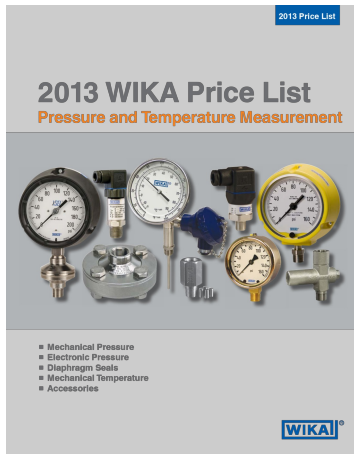


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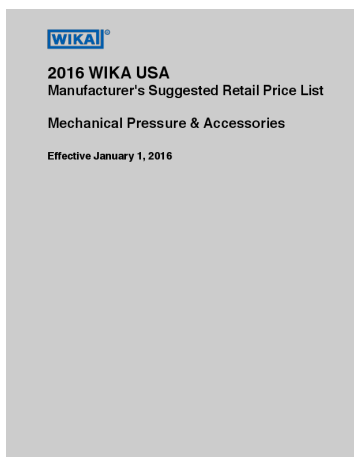
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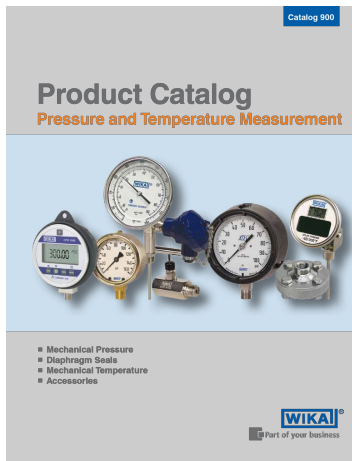
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Wika Catalog 900 pressure gauge liquid filled Bimetal Twin Temp Gas Actuated Thermometers

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

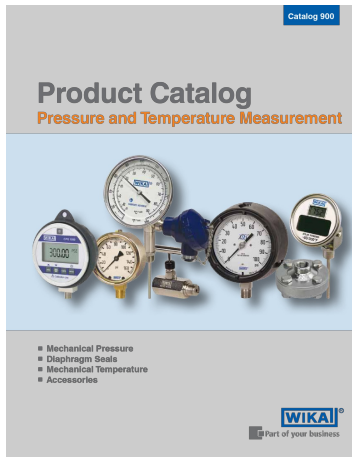
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Thermowell Valves Overpressure Protector Adaptor Coupling Siphon Restrictor Sealgauge Low Pressure  
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