

# WIKKA

# Views

## WIKKA Announces New Re-Design of Direct Drive Process Gauge and Direct Drive Test Gauge

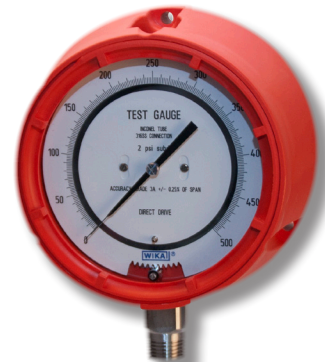
### WIKKA Extends Proven Process Gauge Features to the New Direct Drive Series

Combining the direct drive technology with product features and standards from our existing Process Gauge XSEL® series, WIKKA is now delivering a new standard of Direct Drive pressure gauges. Our new Direct Drive Process and Test Gauge features the same materials and most standard options as our successful Process Gauge XSEL series.

At the technological heart of the WIKKA Direct Drive process gauge is our exclusive Bourdon tube made of Inconel® X-750 alloy. Compatible with most media types, this super-alloy is highly resistant to temperature extremes and has excellent oxidation and corrosion properties. Every WIKKA Bourdon tube is meticulously handmade and then stress relieved in our proprietary heat treatment chambers. To provide superior strength and performance in the most aggressive environments and temperature extremes, all wetted parts on the WIKKA Direct Drive process gauge are nickel-brazed.

#### Features

- Medical-grade pointer shaft that rotates on a jeweled sapphire bearing that eliminates pointer friction
- Adjustable pointer for zero-point adjustment
- Additional external adjustment screw to keep the dial in a horizontal position
- Porous filter to protect the pressure inlet from clogging
- High impact-resistant fiberglass-reinforced thermoplastic (Pocan) material for case, window ring and back plate
- Clear acrylic window
- Aluminum dial with stop pin
- Helium leak-tested pressure system
- Solid-front, blow out back safety case design to meet industry safety requirements
- Instruction sheet supplied with every gauge



WIKKA Direct Drive Test Gauge: Model 332.34DD



WIKKA Direct Drive Process Gauge: Model 232.34DD

**10 Year Industry Best Warranty!**

## Options

- 4½" Panel Mount Kit (field assembly) **NEW!**
- N.I.S.T. Calibration Certificate (standard for 332.34DD)
- NEMA 4 (IP 65) weather protection **NEW!**
- Viton and EPDM isolator for socket (not recommended for gas media and vacuum service)
- Other case colors (yellow, red & black) **NEW!**
- Permanent lower back mount (LBM) connection **NEW!**



## Technical Specifications Overview

### WIKA Direct Drive Process Gauge: Model 232.34DD

The WIKA Direct Drive process gauge comes with a process industry standard ASME B40.100 Grade 2A (+/-0.5% of span) accuracy for ranges up to 10,000 psi; a silicone dampened Bourdon tube to eliminate pointer flutter in severe vibration and pulsation applications; an adjustable process gauge pointer for recalibration; and a yellow case to signify to workers that this gauge is used for the tough applications.

### WIKA Direct Drive Test Gauge: Model 332.34DD

The WIKA Direct Drive test gauge has a calibration industry standard ASME B40.100 Grade 3A (+/-0.25% of span) accuracy for ranges up to 10,000 psi; a knife-edge adjustable pointer for precise pressure readings; a mirror band dial to remove reading error; a calibration certificate traceable to the National Institute of Standards and Technology (NIST); and standard red case.

Advantages of the WIKA Direct Drive gauge over conventional gauges include:

- Very long service life
- Excellent for problem applications that contain shock, vibration or pulsation
- Contains only one moving part
  - No gears, linkages or springs to wear or break
  - No loss of accuracy
  - No recalibration required
- Performance of a liquid-filled gauge in a dry case

WIKA Direct Drive gauges are great solutions for these problem applications:

- Environments that contain continual shock and vibration
- Processes that have problems with pressure surges and spikes
- Pressure systems that have high cyclic rates
- Installations with temperature extremes

For additional information, please contact a WIKA representative.

Datasheets are available on [www.wika.com](http://www.wika.com).

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