Pressure Indicator Gauge
Series 1500 8½" Dial

Applications
■ Suitable for test and laboratory and production applications

Special features
■ Capsule-type pressure elements up to and including 150 psig, Bourdon tubes for ranges of 200 psig and above
■ Tempered-glass window, solid-front dial and a blow-out plug on the back
■ Available in 26 standard ranges (including vacuum and compound ranges)
■ Also available installed in a compact, suitcase-type carrying case with a mounted panel for the gauge. Cover is easily removed and connections can be made without removing the gauge from the case.

Standard features
Accuracy
0.066% of full scale
Range
-30" Hg -1,000 psig
Repeatability
0.03% of full scale
Sensitivity
0.01% of full scale
Hysteresis
0.1% of full scale for ranges of 150 psi and below; 0.2% of full scale for 200 psi and above
Maximum temperature effect
0.1% of full scale per 10°C/50°F change from 23°C/73.4°F
Scale length
Approx. 45° through 2 pointer revolutions
Dial diameter
8½*
Pressure element volume
Ranges <150 psi 6.9 cc with pointer at zero 6.6 cc
At full scale ranges 200 psi and above 10 cc.
For the range 0-125" water only 6.3 cc with pointer at zero; 8.0 cc, at full scale
Case pressure
Cases are open to atmosphere.

Case connections
150 psi and below, ¼" female NPT, 200 psi and above, ¼" female NPT built-in stainless steel filter at the bottom of case

Case construction
Aluminum with tempered-glass window, flush mounted

Zero adjustment
Accessible through both the front and the back of the case

Options
■ Calibration in most metric units available at no extra cost. Other calibration units and dual scale graduations are available at extra cost.
■ Gauge 1500 8.5" is available installed in a compact, suitcase-type carrying case with a mounted panel for the gauge. The cover is easily removed and connections can be made without removing the gauge from the case

Note: Gases must be non-corrosive, no liquid service.

Weight and shipping weight
12 lbs.

Ordering information
Please specify ordering number, range, and mounting angle, (extra cost if mounting angle other than vertical)
**Standard features, cont.**

**Series 1500 8½” Pressure Indicator Gauge**

**Wide Spaced Graduations Give Excellent Readability**
Because the pointer covers full scale in two revolutions, Series 1500 scales are approximately 45" long. This is more than twice as long as single-revolution gauges with the same dial diameter (8½") and longer than gauges with twice the dial diameter. The expanded scale allows a minimum of 0.045" of white space between graduations.

**Accurate Readout at a Glance**
Compactness makes readout convenient as well as accurate. The operator takes readings from one position, which is not possible with large-diameter gauges. This cuts fatigue and errors. A revolution indicator is included and a mirror ring eliminates parallax errors. Graduations are easily seen; bold numbers are horizontally placed.

**Calibration is Traceable to National Institute of Standards and Technology (NIST)**
A computer-assisted plotter marks calibration points and the graduations between them on each dial. This produces a scale which precisely matches the characteristics of each mechanism and pressure element. Instruments supplied are certified traceable to NIST.

**Compact Size Saves Space in Panels**
With the two-revolution arrangement, the long scale (approx. 45") requires a dial only 8½” in diameter, making more compact test units possible, such as consoles for ground support equipment.

**Performs Better than the Rated Accuracy**
Custom dial calibration, and individual assembly and adjustment of each mechanism add up to an accuracy of 0.066% full scale. This figure is the minimum performance which can be expected. After rigorous testing any WIKA gauge which fails to better the rated accuracy is rejected.

**Solid-Front Construction**
The case has a heavy aluminum solid-front and a blow-out plug in back of the case. The pressure inlet is only ⅛" in diameter; the blow-out plug is 1½". This design gives excellent protection against excessive pressure as the plug relieves at the slightest build-up. The case is heavy cast aluminum with a tempered glass window. Overpressuring the instrument up to 10% above its full scale range will not damage the mechanism nor affect accuracy.

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**Range and Calibration**

<table>
<thead>
<tr>
<th>Range and Calibration</th>
<th>Ordering Number</th>
<th>Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4.5 psi</td>
<td>62A-2A-0005</td>
<td>0.005 psi</td>
</tr>
<tr>
<td>0-10 psi</td>
<td>62A-2A-0010</td>
<td>0.01 psi</td>
</tr>
<tr>
<td>0-15.5 psi</td>
<td>62A-2A-0015</td>
<td>0.02 psi</td>
</tr>
<tr>
<td>0-20 psi</td>
<td>62A-2A-0020</td>
<td>0.02 psi</td>
</tr>
<tr>
<td>0-30 psi</td>
<td>62A-2A-0030</td>
<td>0.05 psi</td>
</tr>
<tr>
<td>0-45 psi</td>
<td>62A-2A-0045</td>
<td>0.05 psi</td>
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<tr>
<td>0-60 psi</td>
<td>62A-2A-0060</td>
<td>0.1 psi</td>
</tr>
<tr>
<td>0-100 psi</td>
<td>62A-2A-0100</td>
<td>0.1 psi</td>
</tr>
<tr>
<td>0-150 psi</td>
<td>62A-2A-0150</td>
<td>0.2 psi</td>
</tr>
<tr>
<td>0-200 psi</td>
<td>62A-2A-0200</td>
<td>0.2 psi</td>
</tr>
<tr>
<td>0-300 psi</td>
<td>62A-2A-0300</td>
<td>0.5 psi</td>
</tr>
<tr>
<td>0-500 psi</td>
<td>62A-2A-0500</td>
<td>0.5 psi</td>
</tr>
<tr>
<td>0-1,000 psi</td>
<td>62A-2A-1000</td>
<td>1.0 psi</td>
</tr>
</tbody>
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**Vacuum and Compound Ranges**

<table>
<thead>
<tr>
<th>Range</th>
<th>Ordering Number</th>
<th>Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>-30&quot; Hg to 0</td>
<td>62A-3B-0030*</td>
<td>0.05&quot;</td>
</tr>
<tr>
<td>15 to 0 to 15&quot; Hg</td>
<td>62A-5B-0030*</td>
<td>0.05&quot;</td>
</tr>
<tr>
<td>-30 to 0 to 30&quot; Hg</td>
<td>62A-5B-0060*</td>
<td>0.1&quot;</td>
</tr>
<tr>
<td>30 to 0 to 90&quot; Hg</td>
<td>62A-5B-0120*</td>
<td>0.2&quot;</td>
</tr>
<tr>
<td>-30 to 0 to 270&quot; Hg</td>
<td>62A-5B-0300*</td>
<td>0.5&quot;</td>
</tr>
</tbody>
</table>

*Can be calibrated as shown, or in any other standard pressure unit at no extra cost. Specify if other than in Hg.