Bourdon Tube Pressure Gauges
Hinged Ring Test Gauge - 316SS Wetted Parts
Type 332.25

Applications
- Pressure monitoring panels
- Suitable for corrosive gaseous or liquid media that will not clog the pressure system or attack 316L SS parts.
- Process industry: chemical/petrochemical, power stations, mining, on and offshore, environmental technology, mechanical engineering and plant construction

Product features
- Hinged ring for access to adjustable pointer
- Durable aluminum case and ring
- Positive pressure ranges to 20,000 psi (1,600 bar)
- Mirror band dial
- Knife edge pointer

Specifications
Design
ASME B40.100

Sizes
4½” (115 mm)

Accuracy class
Ranges: ± 0.25% of span (ASME B40.100 Grade 3A) for pressure range ≤ 600 psi (40 bar)
± 0.50% of span (ASME B40.100 Grade 2A) for pressure range > 600 psi (40 bar) < 2000 psi (160 bar)
± 0.25% of span (ASME B40.100 Grade 3A) for pressure range > 2000 psi (160 bar)

Ranges
Vacuum / Compound to 200 psi
Pressure from 15 psi to 20,000 psi
or other equivalent units of pressure or vacuum

Working pressure
Steady: full scale value
Fluctuating: 0.9 x full scale value
Short time: 1.3 x full scale value

Operating temperature
Ambient: -40°F to +140°F (-40°C to +60°C)
Medium: +212°F (+100°C) maximum

Temperature error
Additional error when temperature changes from reference temperature of 68°F (20°C) ±0.4% of span for every 18°F (10°K) rising or falling.

Weather protection
Weather resistant (NEMA 3 / IP54)

Pressure connection
Material: 316L stainless steel
Lower back mount (LBM)
1/4” or 1/2” NPT with M4 internal tap

Bourdon tube
Material: 316L stainless steel
≤ 1,000 psi (70 bar): C-shape
> 1,000 psi (70 bar): Helical

Movement
Stainless steel. Internal stop pin at 1.1 x full scale

Dial
White aluminum with black lettering, mirror band dial and stop pin at 6 o’clock

Pointer
Black aluminum, adjustable

Case
Black-painted aluminum with 3 threaded mounting bolts.
Solid front, blowout back safety case. 304 stainless steel blowout back plate

Hinged ring
Black-painted steel with knurled clamping screw
Window
Flat instrument glass with silicone rubber gasket

Mounting bolts
10-24 UNC threads

Optional Extras
- Threaded restrictor
- Cleaned for oxygen service
- Safety glass window
- Special process connections
- Custom dial layout

Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.

### Dimensions

<table>
<thead>
<tr>
<th>Size</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>H (mm)</th>
<th>L (mm)</th>
<th>M (mm)</th>
<th>N (mm)</th>
<th>R (mm)</th>
<th>S (mm)</th>
<th>T (mm)</th>
<th>W (mm)</th>
<th>Weight</th>
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<td>68.6</td>
<td>120</td>
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<td>19</td>
<td>-</td>
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<td>-</td>
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<tr>
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<td>4.73</td>
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<td>-</td>
<td>2.69</td>
<td>1/4&quot;</td>
<td>0.87</td>
<td>2.5 lb.</td>
</tr>
</tbody>
</table>

Recommended panel cutout
4½": dimension C + 1.5 mm