Bourdon Tube Pressure Gauges
Test Gauge with ± 0.25% Accuracy
Type 312.20

Applications
- Calibration and testing laboratories
- Suitable for gaseous or liquid media that will not obstruct the pressure system or corrode copper alloy wetted parts

Special features
- High accuracy (± 0.25% of span)
- Mirrored band on dial
- Knife edge adjustable pointer
- Pressure ranges up to 10,000 psi

Standard Features
Design
ASME B40.100 & EN 837-1

Sizes
6" (160 mm)

Accuracy class
± 0.25% of span (ASME B40.100 Grade 3A)

Ranges (all ranges not stocked)
Vacuum / Compound to 200 psi
Pressure from 10 psi to 10,000 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: +180°F (+80°C) maximum

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

Weather protection
Weather resistant (NEMA 3 / IP 54)
**Optional extras**
- Brass restrictor
- Stainless steel front or rear flange
- NIST calibration certificate
- Solid front safety case (Type 312.30)
- Special connections limited to wrench flat area
- Custom dial layout
- Other pressure scales available
  - bar, kPa, MPa, kg/cm² and dual scales

**Dimensions**

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C¹</th>
<th>D</th>
<th>E</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>T</th>
<th>W</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>mm</td>
<td>160</td>
<td>116</td>
<td>49.5</td>
<td>161</td>
<td>15.5</td>
<td>81</td>
<td>50</td>
<td>5.8</td>
<td>3</td>
<td>196</td>
<td>178</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td></td>
<td>in</td>
<td>6.0</td>
<td>4.57</td>
<td>1.95</td>
<td>6.34</td>
<td>0.61</td>
<td>3.19</td>
<td>1.97</td>
<td>0.23</td>
<td>0.12</td>
<td>7.72</td>
<td>7.0</td>
<td>0.86</td>
<td>2.42 lb</td>
</tr>
</tbody>
</table>

¹ For ranges ≤ 60 psi and ≥ 1,500 psi, C dimension changes to 2.58" (65.5 mm)

**Recommended panel cutout is dimension D + 1.5 mm**