Bourdon Tube Pressure Gauge
Compressed Specialty Gas Gauge
Type 131.15 - Stainless Steel Wetted Parts
Type 161.15 - Monel Wetted Parts

Applications
- Compressed specialty gas regulators
- Applications requiring stainless steel or Monel wetted parts
- Suitable for all media that will not obstruct the pressure system or attack 316 SS or Monel parts

Special features
- 316 SS or Monel wetted parts
- Twist-lock polycarbonate window
- Ranges to 10,000 psi
- Cleaned for use in oxygen service
  (Note: Monel version only available in 2½" size)

Standard Features

Design
ASME B40.100

Sizes
2" & 2½" (53 & 68 mm)

Accuracy class
± 3/2/3% of span (ASME B40.100 Grade B)

Ranges
Vacuum / Compound to 200 psi
Pressure from 15 psi to 10,000 psi
or other equivalent units of pressure or vacuum

Working pressure
Steady: 3/4 of full scale value
Fluctuating: 2/3 of full scale value
Short time: full scale value

Operating temperature
Ambient: -40°F to 140°F (-40°C to 60°C)
Media: 140°F (+60°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.

Pressure connection
Material: 316L SS - Type 131.15
Monel - Type 161.15
1/8" or 1/4" NPT lower mount (LM)

Bourdon Tube
Material: 316L SS - Type 131.15
Monel - Type 161.15
15 psi to 600 psi: C-type
800 psi to 6,000 psi: helical

Movement
Stainless Steel

Dial
White aluminum with stop pin and black lettering
"USE NO OIL" in red

Pointer
Black aluminum

Case
Chrome-plated steel

Window
Twist-lock clear polycarbonate
## Optional Extras

- SS or Monel restrictor
- Other case materials
- Helium leak test
- Special threaded connection
- Custom dial layout
- Heat sealed bag, thread cap and “oxygen cleaned” label
- 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>E¹</th>
<th>F</th>
<th>T</th>
<th>W</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>2”</td>
<td>mm</td>
<td>53</td>
<td>54</td>
<td>29</td>
<td>58</td>
<td>10.5</td>
<td>50.8</td>
<td>-</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>in</td>
<td>2.0</td>
<td>2.12</td>
<td>1.14</td>
<td>2.28</td>
<td>0.42</td>
<td>2.0</td>
<td>1/4”</td>
<td>0.55</td>
</tr>
<tr>
<td>2.5”</td>
<td>mm</td>
<td>68</td>
<td>60</td>
<td>31</td>
<td>72.4</td>
<td>12</td>
<td>67.6</td>
<td>-</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>in</td>
<td>2.5</td>
<td>2.36</td>
<td>1.22</td>
<td>2.85</td>
<td>0.47</td>
<td>2.66</td>
<td>1/4”</td>
<td>0.55</td>
</tr>
</tbody>
</table>

¹ For 2½” painted steel case, C dimension changes to 1.14" (29 mm), and E dimension changes to 0.35" (9 mm)