Bourdon Tube Pressure Gauge
Type 232.54 XMAS Tree Gauge
All Stainless Steel Construction

Application

Designed specifically for oilfield well heads. Suitable for corrosive environments compatible with 316 stainless steel wetted parts for liquid or gaseous media which will not obstruct the pressure system.

Product Features

- Large numerals for easier pressure reading
- All stainless steel construction

Specifications

Design
ASME B40.100 and EN 837-1

Sizes
4” (100 mm)

Accuracy Class
± 1.0% of span

Ranges (All ranges not stocked)
- Vacuum / Compound to 30 InHg (-1 bar) / 0 / 200 psi (16 bar)
- Pressure from 15 psi (1 bar) to 15,000 psi (1000 bar) 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)
Media: 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.

Pressure Connection
Material: 316L stainless steel
Lower Mount (LM) 1/4” or 1/2” NPT (limited to wrench flat area)

Bourdon Tube
Material: 316L stainless steel
≤ 1000 psi (70 bar): C-shape
> 1000 psi (70 bar): helical

Movement
Stainless steel

Dial
White aluminum with black lettering and large numerals for easy reading

Pointer
Black aluminum, adjustable

Case
304 stainless steel with vent plug and polished stainless bayonet ring. Welded case / socket connection.

Weather Protection
Ingress protection rating IP65

Window Gasket
Buna-N

Window
Laminated Safety Glass
**Optional Extras**

- Custom dial layout
- Rear flange
- 316 SS threaded restrictor
- Acrylic window
- Flat instrument glass window
- Special connections limited to wrench flat area
- Other pressure scales available: Bar, kPa, Kg/cm² and dual scales
- Drag pointer

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**Dimensions**

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>S</th>
<th>T</th>
<th>W</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot;</td>
<td>mm</td>
<td>110</td>
<td>87</td>
<td>49.5</td>
<td>100</td>
<td>15.5</td>
<td>15</td>
<td>-</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>in</td>
<td>4.3</td>
<td>3.43</td>
<td>1.95</td>
<td>3.94</td>
<td>0.61</td>
<td>0.59</td>
<td>1/2&quot;</td>
<td>0.87</td>
</tr>
</tbody>
</table>

Specifications and dimensions provided in this data sheet 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.