Bourdon Tube Pressure Gauges
Large Diameter Industrial Gauge
Type 211.11 - Brass Wetted Parts
Type 231.11 - 316L SS Wetted parts

Applications
- For plants and equipment where measured values must be read from a distance
- Suitable for gaseous or liquid media that will not obstruct the pressure system

Special features
- Large diameter for easy reading
- Brass or 316L SS wetted parts
- Pressure ranges up to 15,000 psi

Standard Features

Design
ASME B40.100 & EN 837-1

Sizes
10" (250 mm)

Accuracy class
± 1% of span (ASME B40.100 Grade 1A)

Ranges
Vacuum / Compound to 200 psi
Pressure from 15 psi to 15,000 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: max. +180°F (+80°C) - Type 211.11
max. +392°F (+200°C) - Type 231.11

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)

Pressure connection
Material: copper alloy - Type 211.11
316L stainless steel - Type 231.11
Lower mount (LM) or lower back mount (LBM) 1/2" NPT

Bourdon tube
Material: copper alloy - Type 211.11
≤ 1,000 PSI: C-type, copper alloy - silver soldered
≥ 1,500 PSI: helical type, 316L SS - brazed
Material: 316L stainless steel - Type 231.11
≤ 1,000 PSI: C-type, 316L SS
≥ 1,500 PSI: helical type, 316L SS

Movement
Copper alloy

Dial
White aluminum with black lettering

Pointer
Black aluminum
Case
Black-painted steel with matching friction fit bezel ring

Window
Flat instrument glass

Optional extras
- Brass or SS restrictor
- Black-painted steel front or rear flange
- Stainless steel front or rear flange
- Laminated safety glass or acrylic window
- Stainless steel movement
- Red drag pointer or mark pointer
- 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>C</th>
<th>C1</th>
<th>E</th>
<th>G</th>
<th>H</th>
<th>T</th>
<th>W</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>10&quot;</td>
<td>mm</td>
<td>250</td>
<td>165</td>
<td>51.5</td>
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<td>17</td>
<td>83.5</td>
<td>50</td>
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<tr>
<td></td>
<td>in</td>
<td>9.84</td>
<td>6.5</td>
<td>2.03</td>
<td>2.03</td>
<td>0.67</td>
<td>3.29</td>
<td>1.97</td>
<td>1/2&quot;</td>
<td>0.87</td>
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Weight: 6.6 lb.