Bourdon Tube Pressure Gauges
Stainless Steel Series
Type 131.11

Applications
- Suitable for corrosive environments and gaseous or liquid media that will not obstruct the pressure system
- Ideal when a smaller size instrument is needed
- CDA (Clean Dry Air) applications

Special features
- All stainless steel construction
- 316L wetted parts
- Cost effective and reliable
- Positive pressure ranges to 15,000 PSI

Description

Design
ASME B40.100 & EN 837-1

Sizes
1.5", 2" & 2½" (40, 50 and 63 mm)

Accuracy class
± 2.5% of span

Ranges
1½" & 2": 0/15 to 0/7,500 PSI
2½": 0/15 to 0/15,000 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)
Medium: +212°F (+100°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 stainless steel
Lower mount (LM) or center back mount (CBM)
1/8" or 1/4" NPT (male)

Bourdon tube
Material: 316L stainless steel
≤ 1,000 PSI: C-type
≥ 1,500 PSI: helical type

Movement
Stainless steel

Dial
White aluminum with black lettering, with stop pin

Pointer
Black aluminum

Case
Stainless steel

Window
Snap-in polycarbonate
**Optional extras**
- Friction fit cover ring with instrument glass window
- Special threaded connection
- U-clamp panel mount
- Front flange (for 2½" size only)

**Dimensions**

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>E</th>
<th>G</th>
<th>T</th>
<th>W</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>1.5”</td>
<td>mm</td>
<td>40</td>
<td>37</td>
<td>25</td>
<td>9</td>
<td>50.5</td>
<td>-</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>in</td>
<td>1.54</td>
<td>1.46</td>
<td>0.98</td>
<td>0.35</td>
<td>1.99</td>
<td>1/8”</td>
<td>0.55</td>
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<tr>
<td>2”</td>
<td>mm</td>
<td>50</td>
<td>47</td>
<td>27</td>
<td>9.6</td>
<td>53.5</td>
<td>-</td>
<td>14</td>
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<tr>
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<td>in</td>
<td>1.93</td>
<td>1.85</td>
<td>1.06</td>
<td>0.38</td>
<td>2.11</td>
<td>1/4”</td>
<td>0.55</td>
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<tr>
<td>2.5”</td>
<td>mm</td>
<td>63</td>
<td>54</td>
<td>28</td>
<td>10</td>
<td>53.5</td>
<td>-</td>
<td>14</td>
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<tr>
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<td>2.44</td>
<td>2.13</td>
<td>1.10</td>
<td>0.39</td>
<td>2.11</td>
<td>1/4”</td>
<td>0.55</td>
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</table>

Modifications may take place and materials specified may be replaced by others without prior notice.