Bourdon Tube Pressure Gauge
Type 111.16 Panel Mount Gauge
For Metric Size Panel Cutouts
Standard Series

Applications

■ Pneumatics
■ HVAC
■ Suitable for all media that will not obstruct the pressure system or attack copper alloy parts

Special features

■ Reliable and economical
■ Ranges up to 6,000 psi
■ Fits metric size panel holes

Standard Features

Design
EN 837-1 & ASME B40.100

Sizes
1½” & 2” (40 & 50 mm)

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

Ranges
Vacuum / Compound to 200 psi
Pressure from 15 psi to 6,000 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.

Connection
Material: Copper alloy
1/8" or 1/4" NPT center back mount (CBM)
Optional Extras

- ± 2/1/2% accuracy (ASME B40.100 Grade A)
- Front flange
- Crimped stainless steel profile ring
- Cleaned for oxygen service
- Special threaded connection
- 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>C</th>
<th>D</th>
<th>G</th>
<th>N</th>
<th>S</th>
<th>T</th>
<th>W</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5&quot; mm</td>
<td>40</td>
<td>26.5</td>
<td>40</td>
<td>45</td>
<td>45</td>
<td>4.5</td>
<td>14</td>
<td>0.14 lb</td>
<td></td>
</tr>
<tr>
<td>1.5&quot; in</td>
<td>1.5</td>
<td>1.04</td>
<td>1.57</td>
<td>1.77</td>
<td>1.77</td>
<td>0.18</td>
<td>1/8&quot;</td>
<td>0.55</td>
<td>0.14 lb</td>
</tr>
<tr>
<td>2&quot; mm</td>
<td>50</td>
<td>26.5</td>
<td>49.5</td>
<td>47</td>
<td>54</td>
<td>4.5</td>
<td>14</td>
<td>0.16 lb</td>
<td></td>
</tr>
<tr>
<td>2&quot; in</td>
<td>2.0</td>
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