Pressure Gauges

Application
Fluid medium which does not clog connection port or corrode copper alloy. Primary application is as a flow gauge or content gauge on medical regulators.

Sizes (All sizes not stocked)
1½", 2" and 2½" (40, 50 and 63mm)

Accuracy
± 3/2/3% of span (ASME B40.1 Grade B)

Ranges (All ranges not stocked)
Vacuum / Compound to 30"HG / 0 / 200 PSI
Pressure from 15 PSI to 6000 PSI
or other equivalent units of pressure or vacuum

Working Range
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: max. 140°F (+60°C)

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.

Standard Features

Connection
Material: copper alloy, nickel-plated
Lower mount (LM)
Center back mount (CBM)
1/8" or 1/4" NPT limited to wrench flat area

Bourdon Tube
Material: copper alloy
30" Hg (Vac) to 600 PSI C-type
800 PSI to 6000 PSI helical type

Movement
Copper alloy

Dial
White plastic with stop pin (1½", 2", & 2½")
Black lettering

Pointer
Black ABS plastic
(2" and 2½" LM - black aluminum)

Case
Chrome-plated ABS plastic

Window
Snap-in acrylic

Standard Scales
PSI, PSI/KPA, PSI/BAR, or LPM

Cleanliness
Per ASME B40.100 Level IV
for oxygen service

Approvals
Ranges 0/30 to 0-1000 PSI UL-252A
Ranges 0/1500 PSI and up UL-404

Order Options (min. order may apply)
Accuracy ±2/1/2% of span (ASME B40.1 Grade A)
Brass press-fit restrictor
Case with blow-out plug
Special connections limited to wrench flat area
Chrome plated connection
Custom dial layout
Other pressure scales available:
Bar, kPa, Kg/cm² and dual scales
DIN standards
Dimensions:

NOTE: For CBM gauges, "C1" replaces "C" dimension.

111.10  LM / CBM

A* Nominal Size

<table>
<thead>
<tr>
<th>TYPE/SIZE</th>
<th>WEIGHT</th>
<th>KEY</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>C1</th>
<th>D</th>
<th>E</th>
<th>G (1)</th>
<th>T</th>
<th>W (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>111.10 1.5&quot;</td>
<td>0.16 lbs.</td>
<td>mm</td>
<td>40</td>
<td>36</td>
<td>23</td>
<td>26</td>
<td>41</td>
<td>8</td>
<td>46.5</td>
<td>1/8&quot; or 1/4&quot; NPT</td>
<td>14</td>
</tr>
<tr>
<td>LM/CMB</td>
<td></td>
<td>in</td>
<td>1.57</td>
<td>1.42</td>
<td>0.91</td>
<td>1.02</td>
<td>1.61</td>
<td>0.31</td>
<td>1.83</td>
<td>1/4&quot; NPT</td>
<td>.55</td>
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<tr>
<td>111.10 2&quot;</td>
<td>0.22 lbs.</td>
<td>mm</td>
<td>50</td>
<td>45</td>
<td>27</td>
<td>26.5</td>
<td>49</td>
<td>10</td>
<td>47</td>
<td>1/8&quot; or 1/4&quot; NPT</td>
<td>14</td>
</tr>
<tr>
<td>LM/CMB</td>
<td></td>
<td>in</td>
<td>1.97</td>
<td>1.77</td>
<td>1.06</td>
<td>1.04</td>
<td>1.93</td>
<td>0.39</td>
<td>1.87</td>
<td>1/4&quot; NPT</td>
<td>.55</td>
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<tr>
<td>111.10 2.5&quot;</td>
<td>0.29 lbs.</td>
<td>mm</td>
<td>63</td>
<td>53.5</td>
<td>28</td>
<td>27.5</td>
<td>61.5</td>
<td>10</td>
<td>48</td>
<td>1/8&quot; or 1/4&quot; NPT</td>
<td>14</td>
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<tr>
<td>LM/CMB</td>
<td></td>
<td>in</td>
<td>2.48</td>
<td>2.11</td>
<td>1.1</td>
<td>1.08</td>
<td>2.42</td>
<td>0.39</td>
<td>1.89</td>
<td>1/4&quot; NPT</td>
<td>.55</td>
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</tbody>
</table>

NOTE: (1) For gauges with 1/8" NPT connections, subtract 0.08 inches (2mm) from G dimension.
(2) For 1½" LM gauges with 1/8" NPT connections, "W" dimension also changes to 0.47" / 12 mm