Pressure Gauges

Application
Fluid medium which does not clog connection port or corrode copper alloy. Example: hydraulic and pneumatic systems, pumps, compressors, water systems, regulators.

Sizes (All sizes not stocked)
1½", 2", 2½" and 4" (40, 50, 63 and 100 mm)
3½" (94mm) with u-clamp only

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
(max. 600 psi for 3½" size) or other equivalent of pressure or vacuum
Receiver scales 3...15psi

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
Center back mount (CBM)
1/8" or 1/4" NPT

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")
White aluminum with stop pin (3½", 4")
Black or black and red lettering

Pointer
Black ABS plastic
(3½" black aluminum) non-adjustable

Case
Black ABS plastic (1½", 2" & 2½")
Black painted steel (3½" & 4")

Standard Scales
1½" psi, psi/kg/cm²
2" psi, psi/kpa, psi/kg/cm²
2½" psi/kpa, psi/kg/cm², 0/100% of linear, 0/10 sq. rt.
3½" psi, 0/100% of linear, 0/10 sq. rt.
4" psi/kpa, psi/kg/cm², 0/100% of linear, 0/10 sq. rt.

APM111.12
(APM 01.01)
**Dimensions:**

111.12 CBM - standard
1½", 2", 2½", 4"

<table>
<thead>
<tr>
<th>A* Nominal Size</th>
<th>Standard</th>
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</thead>
<tbody>
<tr>
<td>TYPE/TABLE</td>
<td>WEIGHT</td>
</tr>
<tr>
<td>111.12 1.5&quot;</td>
<td>0.16 lbs.</td>
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<tr>
<td></td>
<td>in</td>
</tr>
<tr>
<td>111.12 2&quot;</td>
<td>0.22 lbs.</td>
</tr>
<tr>
<td></td>
<td>in</td>
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<tr>
<td>111.12 2.5&quot;</td>
<td>0.29 lbs.</td>
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<tr>
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<td>111.12 4&quot; CBM</td>
<td>0.46 lbs.</td>
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**Weight:**

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<tr>
<th>Key</th>
<th>A*</th>
<th>B</th>
<th>C1</th>
<th>D</th>
<th>G</th>
<th>M</th>
<th>N</th>
<th>T</th>
<th>W</th>
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</thead>
<tbody>
<tr>
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<td>0.30 lbs.</td>
<td>mm</td>
<td>63</td>
<td>27.5</td>
<td>68</td>
<td>52.1</td>
<td>3.6</td>
<td>2</td>
<td>85</td>
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<td></td>
<td>in</td>
<td>2.48</td>
<td>1.08</td>
<td>2.66</td>
<td>2.05</td>
<td>0.14</td>
<td>0.08</td>
<td>3.35</td>
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**With front flange**

111.12- 3½" only CBM- U-clamp

**With U-clamp**

**A* NOMINAL SIZE**

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<thead>
<tr>
<th>TYPE/TABLE</th>
<th>WEIGHT</th>
<th>KEY</th>
<th>A*</th>
<th>B</th>
<th>C1</th>
<th>D</th>
<th>G</th>
<th>M</th>
<th>N</th>
<th>T</th>
<th>W</th>
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<tbody>
<tr>
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<td>mm</td>
<td>44</td>
<td>24</td>
<td>40</td>
<td>45</td>
<td>47</td>
<td>59</td>
<td>1/8&quot; or 1/4&quot; NPT</td>
<td>14</td>
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<tr>
<td></td>
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<td>in</td>
<td>1.73</td>
<td>0.95</td>
<td>1.57</td>
<td>1.77</td>
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<td>mm</td>
<td>50</td>
<td>24</td>
<td>49</td>
<td>47</td>
<td>57</td>
<td>70</td>
<td>1/8&quot; or 1/4&quot; NPT</td>
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<td></td>
<td></td>
<td>in</td>
<td>2.0</td>
<td>1.05</td>
<td>1.93</td>
<td>1.85</td>
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<td>111.12 2½&quot; CBM/UC</td>
<td>0.35 lbs.</td>
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<td>63</td>
<td>26</td>
<td>62</td>
<td>53</td>
<td>78</td>
<td>91</td>
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<tr>
<td></td>
<td></td>
<td>in</td>
<td>2.5</td>
<td>1.02</td>
<td>2.44</td>
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<td>93</td>
<td>57</td>
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<tr>
<td></td>
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<td>in</td>
<td>3.5</td>
<td>1.42</td>
<td>3.66</td>
<td>2.24</td>
<td>3.93</td>
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**NOTE:** (1) For gauges with 1/8" NPT connections, subtract 0.08 inches (2mm) from G dimension.

Recommended panel cut-out D+ 1MM