Capsule Pressure Gauge
Model 612.20, Stainless Steel Case

Applications
- Low pressure pneumatic systems
- Suitable for fluid medium, gaseous or dry that does not corrode copper alloy.

Special features
- Low pressure series
- Copper alloy wetted parts & stainless steel case
- Capsule pressure gauge

Standard version

Size
4" (100mm) & 6" (160mm)

Accuracy class
± 1.5% of span

Ranges (All ranges not stocked)
2.5" H₂O to 275" H₂O (6 to 685 mbar) or other equivalent units of pressure or vacuum

Connection
Material: copper alloy
Lower mount (LM)
Lower back mount (LBM)
1/4" NPT or 1/2" NPT

Capsule Element
Material: copper alloy

Movement
Copper alloy, nickel-silver pinion gear and shaft.
Zero adjustment screw on dial

Dial
White aluminum with black lettering

Pointer
Black aluminum (zero adjust on dial. Must remove window to access)

Pressure Gauge 612.20

Case
304 stainless steel with stainless steel bayonet ring

Weather Protection
Weather resistant (NEMA 3 / IP 54)

Standard Scales
in. H₂O/mm H₂O
oz.-sq. in./mm H₂O
oz.-sq. in./in. H₂O
PSI

Window Gasket
Buna-N

Window
Flat window glass

Operating Temperature
Ambient: -4°F to 140°F (-20°C to 60°C)
Media: max. 212°F (+100°C)
max. 176°F (+80°C) for 4" LBM

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.

WIKI Datasheet 612.20  06/2009
Optional Extras
- Front stainless steel polished
- Brass threaded restrictor
- U-Clamp bracket steel zinc plated wih stainless steel polished profile ring
- Safety glass window
- Overpressure and underpressure protection
- Cleaned for oxygen service
- Medical specification
- Special connections limited to wrench flat area
- Nickel plated connection
- Externally adjustable red mark pointer (set pointer)
- Externally adjustable red drag pointer (max. pointer)
- Custom dial layout
- DIN standards
- Other pressure scales available

Dimensions

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</th>
<th>H</th>
<th>J</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>T</th>
<th>W</th>
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<tbody>
<tr>
<td>612.20</td>
<td>1.32 lbs</td>
<td>mm</td>
<td>104</td>
<td>85</td>
<td>49.3</td>
<td>49.3</td>
<td>104</td>
<td>15.5</td>
<td>78</td>
<td>30</td>
<td>4.8</td>
<td>3</td>
<td>132</td>
<td>116</td>
<td>1/2&quot; or 1/4&quot;</td>
<td>22</td>
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<tr>
<td>4&quot;</td>
<td></td>
<td>in</td>
<td>4</td>
<td>3.35</td>
<td>1.94</td>
<td>1.94</td>
<td>4.09</td>
<td>0.61</td>
<td>3.07</td>
<td>1.18</td>
<td>0.19</td>
<td>0.12</td>
<td>5.2</td>
<td>4.57</td>
<td>1/2&quot; or 1/4&quot;</td>
<td>0.86</td>
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Note: For 1/4" NPT connections, B dimension changes to 80mm / 3.15 in.
Recommended panel cut-out: D + 1mm

Ordering information
State computer part number (if available) /type number/size/range/connection size and locations/options required. WIKA reserves the right to make changes without prior notice.