Low Pressure Capsule Gauges
Solid-Front Process Gauge
Type 612.34, Copper Alloy Wetted Parts
Type 632.34, Stainless Steel Wetted Parts

Applications
- Where measurement of low pressures is needed
- Suitable for corrosive environments and dry gaseous media that will not obstruct the pressure system
- Process industry: chemical/petrochemical, power stations, mining, on and offshore, environmental technology, mechanical engineering and plant construction

Special Features
- Solid front thermoplastic case
- Brass or 316 SS wetted parts
- Ranges from 10" H₂O (25 mbar)

Standard Features

Design
- ASME B40.100

Sizes
- 4½ (115 mm) dial size

Accuracy class
- ± 2/1/2% of span (ASME B40.100 Grade A)

Ranges
- 6X2.34: 10" H₂O to 250" H₂O (600 mbar) or other equivalent units of pressure or vacuum

Working pressure
- Steady: full-scale value
- Fluctuating: 0.9 x full-scale value

Operating temperature
- Ambient: -4 °F to +140 °F (-20°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) ±0.6% of span for every 18 °F (10 °K) rising or falling.

Weather protection
- Weather resistant (NEMA 3/IP54)

Pressure connection
- Material: copper alloy - Type 612.34
- Material: 316L SS - Type 632.34
- Lower mount (LM)
- ¼” or ½” NPT

Capsule element
- Material: copper alloy - Type 612.34
- Material: 316L SS - Type 632.34

Movement
- Stainless steel (632.34)
- Copper alloy (612.34)

Dial
- White aluminum with black lettering, stop pin at 6 o’clock

Pointer
- Black aluminum, adjustable

Case
- Black - fiberglass reinforced thermoplastic (POCAN)
- Solid front / blowout back safety case design
- Turret-style case with built in rear flange lugs

Window
- Clear acrylic with Buna-N gasket
Optional extras

- Threaded restrictor
- Overpressure safety:
  - $\leq 10'' \text{H}_2\text{O (25mbar): 3X of full scale value}$
  - $\geq 10'' \text{H}_2\text{O (25mbar): 10X of full scale value}$
- Panel mounting adaptor kit (field assembled)
- Instrument glass or safety glass window
- Special process connections
- Custom dial layout
- Silicone case fillings available, ranges $40'' \text{H}_2\text{O}$ & up
- Traceable material certificate (316 SS wetted parts only)
- EN 10204-2.2 NACE certificate (316 SS wetted parts only)

Dimensions

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>J</th>
<th>K</th>
<th>M</th>
<th>N</th>
<th>R</th>
<th>S</th>
<th>T</th>
<th>W</th>
<th>Weight¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.5''</td>
<td>128</td>
<td>103</td>
<td>84</td>
<td>6.3</td>
<td>40</td>
<td>148</td>
<td>136.5</td>
<td>25</td>
<td>12.5</td>
<td>22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>in</td>
<td>5</td>
<td>4.06</td>
<td>3.31</td>
<td>0.248</td>
<td>1.57</td>
<td>5.83</td>
<td>53.7</td>
<td>0.99</td>
<td>0.49</td>
<td>1/2''</td>
<td>0.87</td>
<td>2 lb.</td>
</tr>
</tbody>
</table>

¹ Weight without optional accessories