**Applications**

- For applications with high dynamic pressure pulsations or vibration, a liquid filled case and socket restrictor are available.
- Suitable for corrosive environments and gaseous or liquid 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**

- Excellent load-cycle stability and shock resistance
- Solid front thermoplastic case
- Positive pressure ranges to 15,000 psi
- XSEL™ Process Gauge with 5 year warranty on gauge and 10 year warranty on pressure system (see terms and conditions)
- All lower mount connection gauges are factory prepared for liquid filling.

(LBM: must install membrane prior to field filling)

**Standard Features**

**Design**

ASME B40.100

**Sizes**

4½" & 6" (115 & 160 mm) dial size

**Accuracy class**

± 0.5% of span (ASME B40.100 Grade 2A)

**Ranges**

Vacuum / Compound to 200 psi
Pressure from 15 psi to 15,000 psi or other equivalent units of pressure or vacuum

**Working pressure**

Steady: full scale value
Fluctuating: 0.9 x full scale value
Short time: 1.5 x full scale value

**Operating temperature**

Ambient: -40°F to +150°F (-40°C to +65°C) - dry
-4°F to +150°F (-20°C to +65°C) - glycerine filled
-40°F to +150°F (-40°C to +65°C) - silicone filled
Medium: max. +212°F (+100°C) (See Note 1 on reverse)

**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.

**Weather protection**

Weather resistant (NEMA 3 / IP54) - without membrane
Weather tight (NEMA 4X / IP65) - dry case or filled case with membrane installed

**Pressure connection**

Material: Monel® M400
Lower mount (LM) or lower back mount (LBM)
1/4" or 1/2" NPT with M4 internal tap

**Restrictor**

Material: Monel® (0.6 mm)

**Bourdon tube**

Material: Monel® M400
< 1,000 PSI: C-type
≥ 1,500 PSI: helical type

**Movement**

Stainless steel. Internal stop pin at 1.3 x full scale
Overload and underload stops - standard
Dampened movement - optional

**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
Turret-style case with built in rear flange lugs
Window
Clear acrylic with Buna-N gasket

Case filling
Glycerine 99.7% - Type 263.34

Optional extras
- Silicone dampened movement
- Panel mounting adaptor kit (field assembled)
- Silicone case filling
- Halocarbon case filling
- Cleaned for oxygen service
- Instrument glass or safety glass window
- Drag pointer (maximum reading indicator)
- Alarm contacts switches (magnetic or inductive)
- Special process connections
- Custom dial layout
- External zero adjustment (4.5” size only)

Note 1: The maximum continuous media temperature for this gauge is 212°F. However, higher temperatures can be maintained safely for short term exposure per table to the right. The user should consider temperature error and gauge component degradation when exposing gauge to any media or ambient temperature above 212°F. For continuous use in either ambient or media temperatures above 212°F, a diaphragm seal or other heat dissipating means is recommended. Consult factory for technical inquiries and application assistance.

Dimensions

<table>
<thead>
<tr>
<th>Size</th>
<th>ø A</th>
<th>ø B</th>
<th>ø C</th>
<th>ø D</th>
<th>ø J</th>
<th>ø M</th>
<th>ø N</th>
<th>ø R</th>
<th>ø S</th>
<th>ø T</th>
<th>ø W</th>
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<td>4.5”</td>
<td>128</td>
<td>103</td>
<td>84</td>
<td>120</td>
<td>6.3</td>
<td>40</td>
<td>28.5</td>
<td>148</td>
<td>136.5</td>
<td>25</td>
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<td>7.1</td>
<td>40.2</td>
<td>28.5</td>
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<td>177.8</td>
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<tr>
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</tr>
</tbody>
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1 Weight without optional accessories

Page 2 of 2