XSEL™ Process Gauge - 1019 Steel Socket
Type 222.34 - Dry Case
Type 223.34 - Liquid-filled Case

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
- 1019 steel socket and stainless steel tube
- 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” (115 mm) dial size

Accuracy class
± 0.5% of span (ASME B40.100 Grade 2A)
± 1.0% of span (ASME B40.100 Grade 1A)
(for 20,000 psi range and above)

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
-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.
Window
Clear acrylic with Buna-N gasket

Case filling
Silicone (100 CST) - Type 223.34
(Do not use Glycerine case fill)

Optional extras
- Silicone dampered movement
- Panel mounting adaptor kit (field assembled)
- 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>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>J</th>
<th>K</th>
<th>L</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>120.3</td>
<td>6.3</td>
<td>40</td>
<td>28.5</td>
<td>148</td>
<td>136.5</td>
<td>25</td>
<td>12.5</td>
<td>22</td>
<td>2.0 lb. dry</td>
<td></td>
</tr>
<tr>
<td>in</td>
<td>5</td>
<td>4.06</td>
<td>3.31</td>
<td>4.74</td>
<td>0.248</td>
<td>1.57</td>
<td>1.12</td>
<td>5.83</td>
<td>5.37</td>
<td>0.99</td>
<td>0.49</td>
<td>1/2”</td>
<td>0.87</td>
<td>3.0 lb. filled</td>
</tr>
</tbody>
</table>

¹ Weight without optional accessories

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