XSEL™ Process Gauge for NACE Sour Gas Service - Monel® Alloy
Type 262.34 NACE- Dry Case
Type 263.34 NACE- Liquid-filled Case

Applications

- The WIKA 26X.34 NACE factory approved process gauge contains Monel® wetted parts materials that meet the recommendations and guidelines set forth by the NACE International standards MR0175 and MR0103
- Suitable in oil and gas production industries as well as refinery environments containing H₂S (Hydrogen Sulfide); commonly referred as "sour gas service".
- Suitable for corrosive environments and gaseous or liquid media that will not obstruct the pressure system

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 (maximum hardness 35 HRC)
- 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 (maximum hardness 35 HRC)
- ≤ 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 with “NACE Sour Gas Service” on dial

**Pointer**
- Black aluminum, micro-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.

Short term, intermittent maximum media temperature limits (Optional glass window required for all these temperatures)
- 500°F (260 °C) - Dry Gauge
- 250°F (130°C) - Liquid filled gauge
- 300°F (150°C) - Dampened movement gauge

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” mm</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 lb. dry</td>
<td></td>
</tr>
<tr>
<td>6” mm</td>
<td>164</td>
<td>122.5</td>
<td>88</td>
<td>123.4</td>
<td>7.1</td>
<td>40.2</td>
<td>28.5</td>
<td>190</td>
<td>177.8</td>
<td>25.4</td>
<td>12.7</td>
<td>22</td>
<td>3 lb. filled</td>
<td></td>
</tr>
</tbody>
</table>

¹ Weight without optional accessories