XSEL™ Process Gauge - Monel® Alloy Parts
Type 262.34 - Dry Case
Type 263.34 - 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

Product features
- Excellent load-cycle stability and shock resistance
- Solid front thermoplastic case
- Positive pressure ranges to 15,000 psi (1,000 bar)
- 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)

Specifications

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 (16 bar)
Pressure from 15 psi (1 bar) to 15,000 psi (1,000 bar) 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 +140°F (-40°C to +60°C) - dry
-4°F to +140°F (-20°C to +60°C) - glycerine filled
-40°F to +140°F (-40°C to +60°C) - silicone filled
Medium: max. +212°F (+100°C)

Temperature error
Additional error when temperature changes from reference temperature of 68°F (20°C) ±0.4% of span for every 18°F (10°K) rising or falling.
Window
Clear acrylic with Buna-N gasket

Case filling Type 263.34
Glycerine 99.7% and >= 40 psi (2.5 bar)
Glycerine 86.5%/Water 13.5% - < 40 psi (2.5 bar)

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)
- Case and ring in red or yellow thermoplastic (4½” LM only)
- Insight® reflective dial options available in white, fluorescent yellow, fluorescent orange or glow-in-the-dark

Dimensions

Size | A | B | C | D | J | K | L | M | N | R | S | T | W | Weight¹
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
4.5” | mm | 128 | 103 | 84 | 120.3 | 6.3 | 40 | 28.5 | 148 | 136.5 | 25 | 12.5 | 22 | 2 lb. dry
   | in | 5  | 4.06 | 3.31 | 4.74 | 0.248 | 1.57 | 1.12 | 5.83 | 5.37 | 0.99 | 0.49 | 1/2” | 0.87 | 3 lb. filled
6”  | mm | 164 | 122.5 | 88 | 123.4 | 7.1 | 40.2 | 28.5 | 190 | 177.8 | 25.4 | 12.7 | 22 | 3 lb. dry
   | in | 6.46 | 4.82 | 3.46 | 4.86 | 0.28 | 1.58 | 1.12 | 7.5  | 7     | 1    | 0.5  | 1/2” | 0.87 | 4 lb. filled

¹ Weight without optional accessories