Diaphragm Pressure Gauges
Process Industry Series Sealgaugé®
Type 432.56 - Dry Case
Type 433.56 - Liquid-filled case

Applications
- With liquid filled case for applications with high dynamic pressure pulsations or vibration and overpressure
- Suitable in corrosive environments for gaseous, liquid or highly viscous media.
- Process industry: chemical/petrochemical, power stations, mining, on and offshore, environmental technology, mechanical engineering and plant construction

Special features
- Wide selection of special wetted materials
- All stainless steel construction
- High overpressure safety up to 1,500 psi

Standard Features

Design
EN 837-3

Sizes
4" & 6" (100 & 160 mm)

Accuracy class
± 1.5% of span

Ranges
Vacuum / Compound to 200 psi
Pressure from 10" H₂O to 100" H₂O (6" flange diameter)
Pressure from 6 psi to 600 psi (4" flange diameter)
or other equivalent units of pressure or vacuum

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

Overpressure safety
Choice of 600 psi or 1,500 psi

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) ±0.8% for every 18°F (10°C) rising or falling. Percentage of span.

Weather protection
Weather resistant (NEMA 3 / IP54) - dry case
Weather tight (NEMA 4X / IP65) - liquid-filled case

Pressure connection and lower diaphragm housing
Material: 316 stainless steel
Lower mount (LM)
1/2” NPT female

Upper diaphragm housing
Chrome steel

Diaphragm element
≤ 100" H₂O: 316 stainless steel
> 100" H₂O: Duratherm (NiCrCo-alloy) with FPM (Viton) sealing gasket

Movement
Stainless steel

Dial
White aluminum with black lettering

Pointer
Black aluminum, adjustable - Type 432.56
Black aluminum, non-adjustable - Type 433.56
Case
304 stainless steel with blowout disk and stainless steel bayonet ring

Window
Laminated safety glass with Buna-N gasket

Case fill
Glycerine - Type 433.56

Optional extras
- Underpressure safe to -30"Hg
- Silicone for fluorolube case filling
- Special connections limited to wrench flat area
- Open flange connections (300# ASME maximum)
- Instrument glass or acrylic window
- Cleaned for oxygen service
- Extended media temperature to +392°F
- Exotic metal or PTFE lining for open flanges
- Alarm contacts switches (magnetic or inductive)
- Special process connections
- Custom dial layout

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<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>G1</th>
<th>S</th>
<th>T</th>
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¹ For ranges 100'H₂O and lower, G dimension changes to 160 mm (6") and weight increases by 4.0 lb.