Low Pressure Differential Pressure Gauge
Type A2G-05 - Economy Version

Applications
- For dry, clean, non-aggressive gases, air
- Monitoring of blowers and ventilators
- Filter monitoring via differential pressure
- Positive overpressure in clean rooms
- Positive and negative pressure in isolation chambers
- Ideally for installations with space limitations

Product Features
- Zero adjustment in front
- Simple mounting and removal
- Compact construction with a short case depth
- Scale ranges from 0.2 InWC (50 Pa) to 50 InWC (12,500 Pa)

Specifications

Design
Per EN 837-3 and HVAC regulations

Nominal size in inches
4 ½”

Accuracy
± 3.0 % of full span
± 5.0 % of full span, ranges ≤ 0.5 InWC (125 Pa)

Ranges
0 / 0.2 InWC (50 Pa) up to 0 / 50 InWC (12,500 Pa)

Compound ranges
Starting from -0.1 / +0.1 InWC (-25/+25 Pa),
up to -6 / +6 InWC (-1,500 Pa...+1,500 Pa)

Pressure units
InWC (standard)
Other available units: kPa, Pa, mmWC, cmWC, mmHg

Pressure limitations
Steady: full-scale value
Fluctuating: full-scale value

Overpressure Safety
80 InWC (20 kPa)

Max working pressure (static pressure)
80 InWC (20 kPa)

Temperature limits
Ambient: -22 °F...176 °F (-30 °C... +80 °C)
Media: 3 °F...122 °F (-16 °C... +50 °C)

Temperature error
Additional error when temperature changes from reference temperature of 68 °F (20 °C) ± 0.5% of span for every 1
8 °F (10 °K) rising or falling

Ingress protection
NEMA 3 (IP 54 per EN 60529 / IEC 529)
Standard version

Process connection
Plastic, back-mounted
Two molded universal hose barb fittings, angled
For \( \frac{1}{8}'' \)-\( \frac{3}{16}'' \) or \( \frac{1}{4}'' \) hose ID

Separating diaphragm
Silicone rubber

Movement
Frictionless magnetic transmission

Dial
Aluminum white, scale of 90 degrees of angle

Pointer
Black plastic

Mounting ring
Plastic, including 3 mounting screws

Window
Polycarbonate, UV stabilized

Options
- NEMA 4 (IP 65) ingress protection
- Red mark pointer
- Internationally recognized traceable calibration certificates
- Screw retained built-in version

Dimensions in inches

Standard version

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<tr>
<th>Dimension</th>
<th>Standard version</th>
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<tbody>
<tr>
<td>Back mount</td>
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<td>5.2</td>
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Ordering information

Model / Scale range / Options