Differential Pressure Gauges
Model A2G-10, air2guide ™

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

Special Features
- Zero adjustment in front
- Red mark pointer standard
- Simple mounting and dismounting
- Two part construction (measuring element and case)
- Optional version with additional electrical output signals (air2guide ™, see data sheet A2G-15)

Description

Design
Per EN 837-3 and HVAC regulations

Nominal size
4½”

Accuracy
± 3.0 % of full span

Ranges
0 / 0.2 InWC up to 0 / 50 InWC

Compound ranges
Starting from -0.1 / +0.1 InWC
(other pressure units and dual scales are available)

Pressure limitation
Steady: full scale value
Fluctuating: full scale value

Overpressure Safety
80 InWC

Max working pressure (static pressure)
80 InWC

Temperature limits
Ambient: -22 °F...176 °F
Media: 3 °F...122 °F

Temperature effect
When the temperature of the measuring system deviates from the reference temperature (+68 °F):
max. ± 0.5 % / 18 °F of full scale value

Ingress protection
NEMA 3 (IP 54 per EN 60529)
**Standard version**

**Process connection**
- Plastic
- Lower mount (LM) or back mount G 1/8 female for hose connector
- Supplied with straight or angled hose barb adaptors
  - 1/8” / 3/16” (standard).
  - 1/4” hose barb adaptors available

**Separating diaphragm**
- Silicone rubber

**Movement**
- Frictionless magnetic transmission

**Dial**
- Aluminium, scale over 90°.

**Pointer and mark pointer**
- Plastic

**Housing**
- Black thermoplastic, high impact resistant

**Window**
- Polycarbonate

**Options**
- Ingress protection, NEMA 4 (IP 65)
- Internationally recognized traceable calibration certificate
- Measuring hose PVC or silicone, inner diameter 4 or 6 mm, length 25 m PVC or silicone tube 1/8” or 1/4” inside diameter, 80 feet long
- 2 duct connectors
- Output signal 4...20 mA, 2-wire, power supply
  - DC 14 V or output signal 0 ...10 V, 3-wire, power supply
  - DC 15V (see datasheet A2G-15)
- Without case

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**Dimensions (inches)**

**Standard version**

**Surface mount, lower connection**

**Panel mount, back connection**

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**Ordering information**

Model / Connection location / Wall mount or panel mount / Inner dimensions of the threaded pressure connection / Scale range / Options