Low Pressure Differential Pressure Gauges
Type 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

Product Features
- Zero adjustment in front
- Simple mounting and dismounting
- Two part construction (measuring element and case)
- 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
4½”

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)

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

Compound ranges
Starting from -0.1 / +0.1 InWC (-25/+25 Pa)
(Other pressure units and dual scales are available)

Pressure limitation
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 18 °F (10 °K) rising or falling

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

Process connection
Plastic
Lower mount (LM) or back mount G ¼ female for hose connector
Supplied with straight or angled hose barb adaptors
⅛" - ⅜" (standard), ¼" hose barb adaptors available

Separating diaphragm
Silicone rubber

Movement
Frictionless magnetic transmission

Dial
Aluminium, scale over 90°.

Pointer
Plastic, black

Housing/Mounting case
Black thermoplastic, high impact resistant

Window
Polycarbonate

Options
- Ingress protection, NEMA 4 (IP 65)
- Red mark pointer
- Internationally recognized traceable calibration certificate
- Measuring hose PVC or silicone, inner diameter 4 or 6 mm, length 25 m PVC or silicone tube ⅛" or ¼" inside diameter
- 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 15 V (see datasheet A2G-15)
- Without mounting case

Dimensions (inches)

Standard version

Surface mount, lower connection

Panel mount, back connection

Ordering information

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

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