Differential Pressure Gauges
Model A2G-10, air2guide P

Applications

- For dry, clean, non-aggressive gases, usually air
- Fan and blower monitoring
- Differential pressure monitoring in filters
- Overpressure monitoring in cleanrooms

Special Features

- The air2guide series feature state of the art technologies combined with easy installation
- Simple mounting without the need of tools
- New innovative design. Optional version with electric output signal available (air2guide P+E, see datasheet A2G-15)
- Mechanical and electrical measuring instruments feature identical case design



Differential Pressure Gauge air2guide P
Model A2G-10

Description

Design
Meets EN 837-3 and HVAC regulations

Nominal size
4-1/2”

Accuracy class
± 3.0 % of full span

Ranges
0/1 … 0/25 InWC
Other units (Pa, kPa, mmWC, cmWC, mbar) available based on equivalent ranges

Applications
Dry, clean, non-aggressive gases, air

Working pressure
Steady: Full scale value
Fluctuating: Full scale value

Overpressure Safety
Up to 20 kPa

Operating Temperature
-22 … +176°F (-30 … +80°C)

Temperature error
Additional error when temperature changes from reference temperature of 68°F (20°C): ± 0.4% for every 18°F (10°C) rising or falling (percentage of span)

Weather protection
NEMA 3 / IP 54

WIKA®
Part of your business

Standard version

Process connection
G 1/8 female lower mount or back mount

Standard accessories
- 3 case mounting screws
- A set of straight and angled hose barb connectors for 1/8“ and 3/16“ ID hoses

Diaphragm material
Silicone rubber

Movement
Magnet assist, non-contact

Dial
Scale over 90° of angle
Dial material: aluminum

Pointer
ABS plastic

Set pointer on dial
Red ABS plastic (standard)

Basic case material
Fiberglass reinforced, high-impact polycarbonate

Window
Polycarbonate

Zero Adjustment
External zero-point adjustment screw through window

Panel mounting case w/threaded ring
Fiberglass reinforced, high-impact polycarbonate

Surface mounting case
Fiberglass reinforced, high-impact polycarbonate

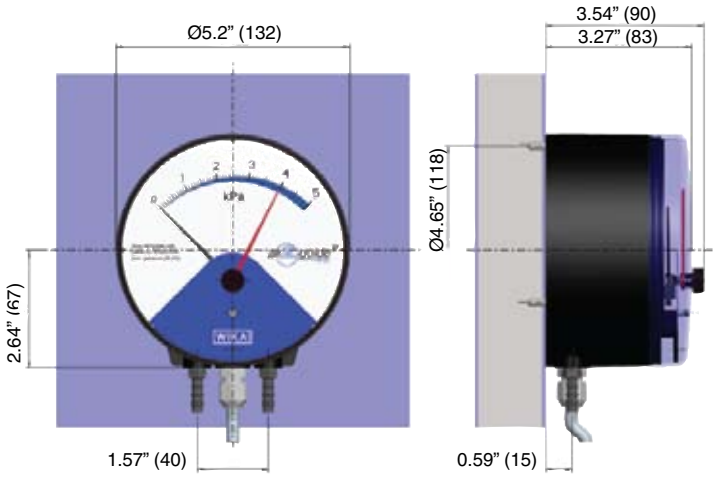
Optional features

- Weather protection NEMA 4 / IP 65
- Calibration certificate, NIST traceable
- Measuring hoses for 1/8“ or 3/16“ ID available in lengths up to 10 feet.
- Duct connectors (set of 2), polyamid
- See datasheet A2G-15 for electrical output options

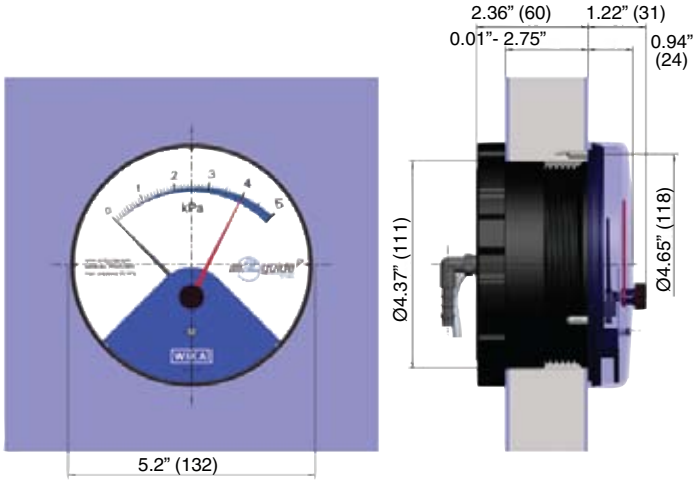
Dimensions in inches (mm)

Standard version

Wall mounting, lower mount (LM)



Panel mounting, back mount



Ordering information

Model / Connection location / Wall mounting or panel mounting / Scale range / Options

Ordering information
Pressure gauge model / Nominal size / Scale range / Size of connection / Optional extras required
Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.
Modifications may take place and materials specified may be replaced by others without prior notice.

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