

Air Handlers
Gas Scrubbers
Environmental
Dust Collection
Commercial HVAC

Measuring Instruments for Low Pressure Applications



Enjoy the difference



Part of your business

Low Pressure Mechanical Differential Pressure Gauge



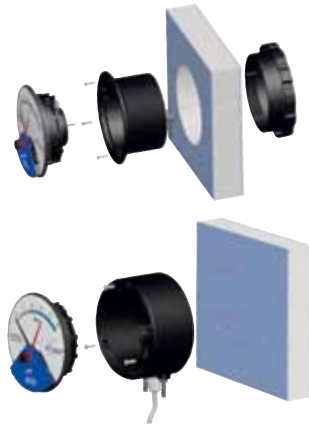
A2G-10

Applications

- For measuring dry, clean, non-aggressive gases and air
- Pressure monitoring for HVAC, air handlers and ventilation systems
- Measuring differential pressure for filtration systems
- Pressure monitoring of clean rooms, gas scrubbers and dust collection systems

Benefits

- Easy to install without tools
- Two-part measuring system separates media from case components
- Exact same dimensions as air2guide^{P+E}



air2guide^P gauges are ideally suited for the measurement of low pressure and differential pressure from 1...25 InWC. A benefit of the modular design is a two-part assembly that separates the measuring system from case components. This allows the replacement of only the measuring system or case, which provides cost savings for repairs. The air2guide^P is extremely easy to install without the need for tools (over 50% time savings compared to conventional instruments).

Technical data air2guide^P

Nominal size	4½"
Accuracy	± 3.0% of full span
Display/measuring ranges	0/0.25 inWC - 0/50 inWC -0.1 / +0.1 inWC, -0.2 / +0.2 inWC, -0.5 / +0.5 inWC (Pa, kPa, mmWC, cmWC, mbar available in equivalent ranges)
Operating temperatures	Ambient temperatures: -22 ... +176 °F Media temperature: 3 ... 122 °F
Weather protection	NEMA 3/IP 54 (NEMA 4/IP 65 optional)
Process connection	G 1/8 female
Diaphragm material	Silicone
Movement	Magnetic assist, non-contact
Dial	Aluminum
Pointer and set pointer	ABS plastic
Window	Polycarbonate
Case material	Fiberglass reinforced, high-impact polycarbonate
Standard accessoires	3 mounting screws hose barb adaptor G 1/8 male for 1/8" and 3/16" tube ID



Low Pressure Mechanical Differential Pressure Gauge With Electronic Output

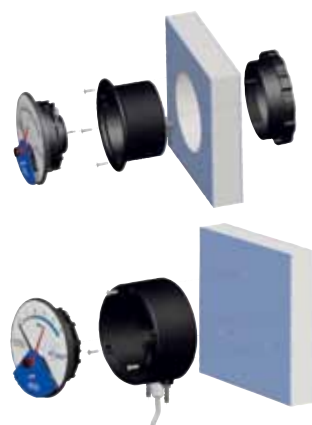


Applications

- For measuring local and remote dry, clean, non-aggressive gases and air
- Pressure monitoring for HVAC, air handlers and ventilation systems
- Measuring differential pressure for filtration systems
- Pressure monitoring of clean rooms, gas scrubbers and dust collection systems

Benefits

- Easy to install without tools
- Universal 4-20mA or 0-10V, electronic output signal
- Two-part measuring system separates media from case components
- Exact same dimensions as air2guide^P


A2G-15

In addition to local indication, the **air2guide^{P+E}** also provides an electronic output signal for remote indication. The **air2guide^{P+E}** is available with a 2-wire (4–20 mA) or 3-wire (0–10 V) output signal. The **air2guide^{P+E}** is used for data collection, controllers, indicators and processing signals with electronically integrated systems.

Technical data air2guide^{P+E}

Nominal size	4½"
Accuracy	± 3.0% of full span
Display/measuring ranges	0/0.25 inWC - 0/50 inWC -0.1 / +0.1 inWC, -0.2 / +0.2 inWC, -0.5 / +0.5 inWC (Pa, kPa, mmWC, cmWC, mbar available in equivalent ranges)
Operating temperatures	Ambient temperatures: -22 ... +176 °F Media temperature: 3 ... 122 °F
Weather protection	NEMA 3/IP 54 (NEMA 4/IP 65 optional)
Process connection	G 1/8 female
Diaphragm material	Silicone
Movement	Magnetic assist, non-contact
Dial	Aluminum
Pointer and set pointer	ABS plastic
Window	Polycarbonate
Case material	Fiberglass reinforced, high-impact polycarbonate
Output signal	4 ... 20 mA, 2-wire system or 0 ... 10 V, 3-wire system
Power supply	15 ... 35 VDC
Electrical connection	PG gland M12
Standard accessoires	3 mounting screws hose barb adaptor G 1/8 male for 1/8" and 3/16" tube ID

air2guide accessories



Panel Mount Housing
air2guide^P, air2guide^{P+E}



Surface Mount Housing
air2guide^P, air2guide^{P+E}



Threaded Ring - Panel Mount
air2guide^P, air2guide^{P+E}



Dual Connection Fitting
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Tube Fittings
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PG Connector M12
air2guide^{P+E} only



PVC Measuring Tube
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Mounting Screws
air2guide^P, air2guide^{P+E}

For over 60 years, WIKA Instrument Corporation has been advancing the world of pressure and temperature instrumentation. Regarded as the global leader, WIKA has pioneered many diverse products for a broad range of industries, end-users, and OEM applications. Our success is reflected in our commitment to Lean methodology, product innovation, and customer focus.

By combining world-class LeanSigma[®] operations, state-of-the-art proprietary technology, agile manufacturing and resident engineering, WIKA delivers made-to-order products with minimal lead times and tremendous flexibility. Additionally, the WIKA TRONIC LINE[®] has a continuously expanding array of electronic transmitters and transducers to meet the emerging demands of integrated and automated systems.

Talk to us to learn about our Total Performance commitment for your pressure and temperature measurement requirements.

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