

Differential Pressure Transmitters Model A2G-50, air2guide E



WIKA Data Sheet SP 69.03

Applications

- Differential Pressure Transmitter to monitor the differential pressure in air and other non-combustible and non-aggressive gases
- Monitoring of air filters, fans in air ventilation ducts
- Regulation of air and fire dampers to monitor the overpressure in laboratories and cleanrooms

Special Features

- Easy installation
- Adjustable response time
- Push button for simple zero reset
- Compact and robust construction
- Two output signals in one instrument



Differential Pressure Transmitter air2guide E
Model A2G-50

Description

Version

Electromagnetic compatibility per 89/336/EWG

Accuracy

±1.5 %

Measuring ranges

0 ... 1000 Pa standard
(0 ... 250/500/750 Pa adjustable via jumpers) or
0 ... 5000 Pa standard
(0 ... 1250/2500/3750 Pa adjustable via jumpers)

Maximum pressure

25 kPa

Operating temperature

Ambient: -20 ... +70 °C
Medium: -5 ... +50 °C

Ingress protection

IP 54 per EN 60 529 / IEC 529

Weight

150 g

Standard version

Process connection

Connecting nozzle (ABS)

Measuring element

Piezo sensor

Zero point adjustment

Via push button in the case

Case

Plastic (ABS)

Electrical connection

PG-Gland M16

screw terminals max. 1.5 mm²

Output signal

4 ... 20 mA, 3-wire

0 ... 10 V, 3-wire

Supply voltage

24 V AC or 24 V DC $\pm 10\%$

Long-term stability

0 ... 1000 Pa ± 8 Pa annually

0 ... 5000 Pa ± 24 Pa annually

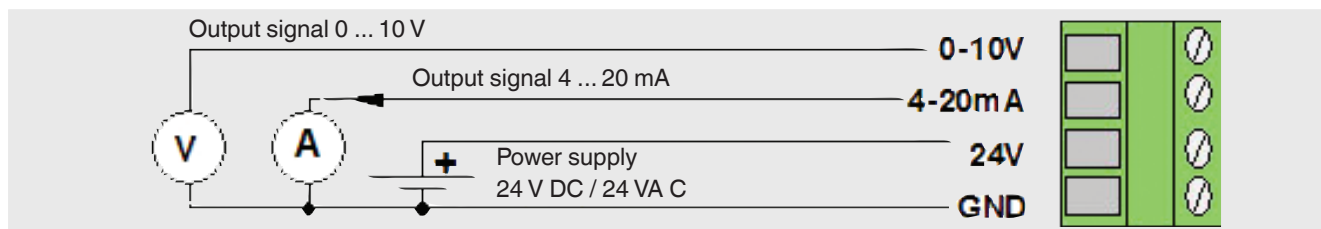
Standard accessories

- 2 fixing screws
- 2 plastic duct connectors
- 2 m PVC hose, inner diameter 4 mm

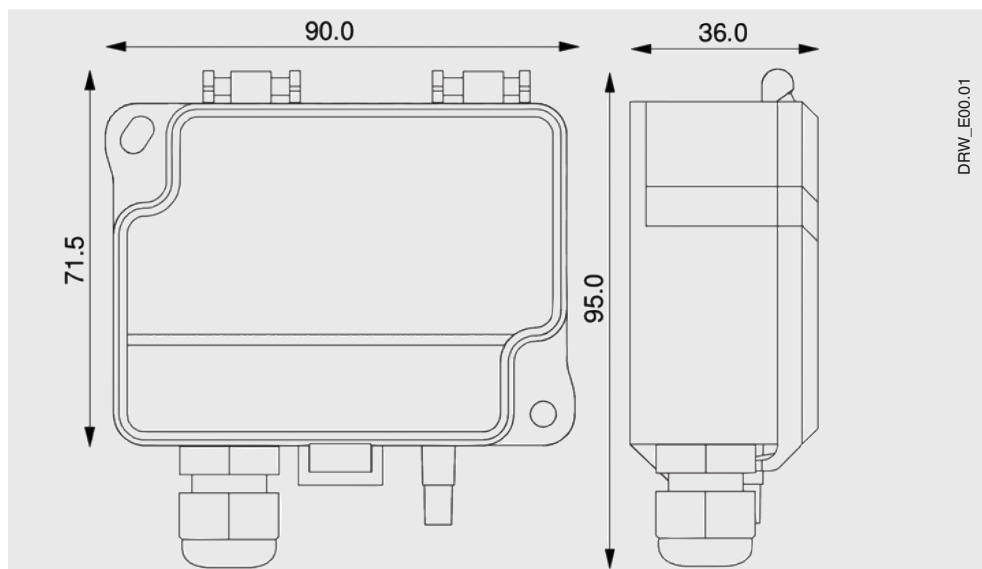
Options

- Automatic zero adjustment
- Display

Connection diagram



Dimensions in mm



Ordering information

Model / Measuring range

The specifications given in this document represent the state of engineering at the time of publishing.
We reserve the right to make modifications to the specifications and materials.



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