

Differential pressure gauge with pressure switch

For ventilation and air-conditioning

Model A2G-90

WIKA data sheet PV 27.40



for further approvals
see page 3



Applications

- For monitoring the differential pressure of air and other non-inflammable and non-aggressive gases
- Monitoring of air filters, blowers, industrial cooling circuits, flows in ventilation ducts and the control of air and fire shutters

Special features

- Compact indicator and pressure switch fitted within a plastic case
- Single-pole micro switch (change-over contact)
- Switch point adjustable when installed
- All connections already pre-assembled



Differential pressure gauge with pressure switch,
model A2G-90

Description

The model A2G-90 differential pressure gauge with pressure switch is a combination of the Eco model A2G-05 differential pressure gauge and the model A2G-40 differential pressure switch, which have been fitted within a compact plastic case.

The case is made from plastic (ABS) and with all connections built in. The cover is screwed on. All versions have an ingress protection of IP65 (per EN/IEC 60529).

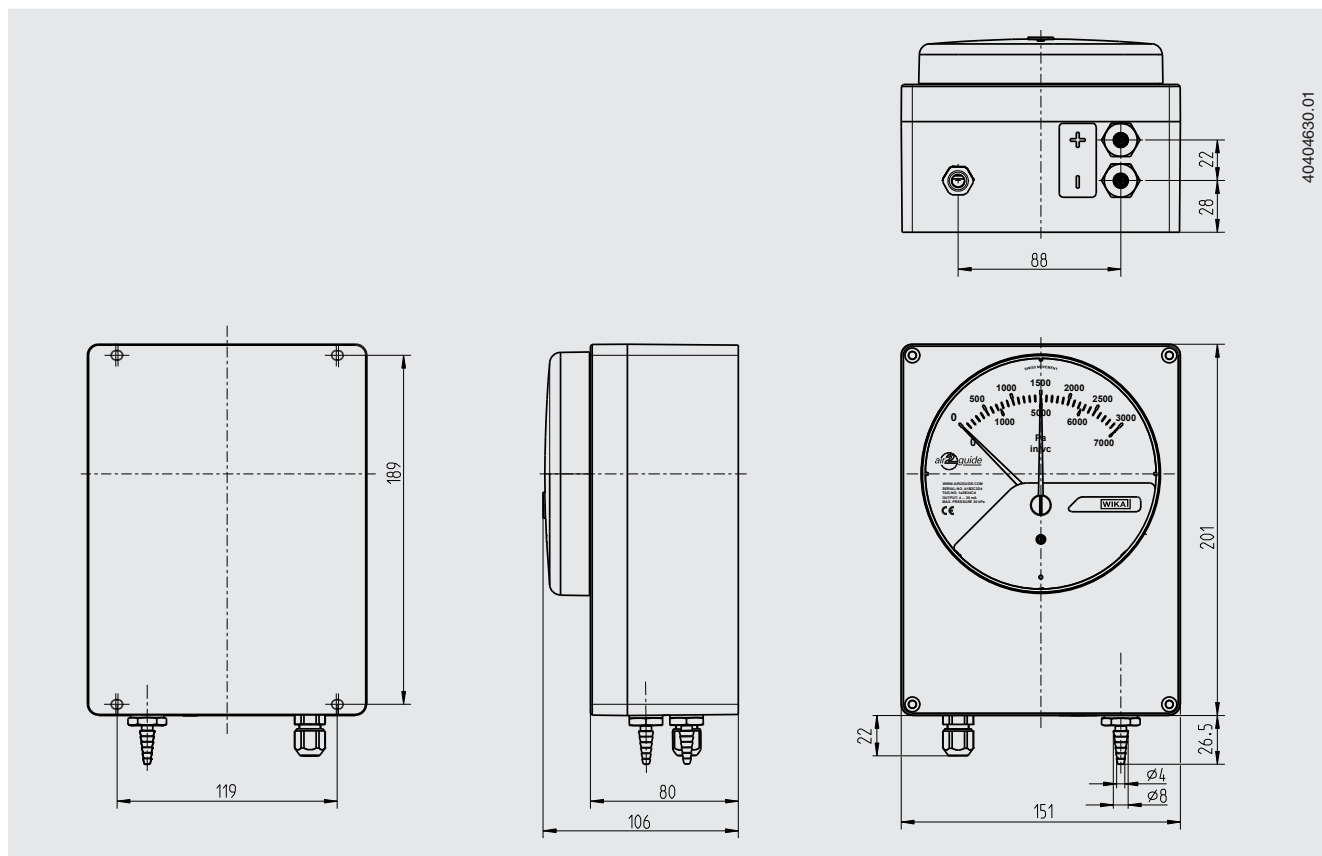
The A2G-90 is ideally suited wherever an analogue display (e.g. for local control) and a switching output (e.g. for direct connection to a higher-level controller) are required.

Specifications






Differential pressure gauge with pressure switch, model A2G-90

Measuring range <ul style="list-style-type: none"> ■ Model A2G-05 ■ Model A2G-40 	0 ... 250 Pa to 0 ... 6,000 Pa 20 ... 200 Pa, 30 ... 300 Pa, 30 ... 500 Pa, 40 ... 600 Pa, 100 ... 1,500 Pa, 500 ... 4,500 Pa
Accuracy <ul style="list-style-type: none"> ■ Model A2G-05 ■ Model A2G-40 	≥ 250 Pa: Class 3.0 101 ... 249 Pa: Class 5.0 ≤ 100 Pa: Class 10.0 20 Pa ±5 Pa ... 500 Pa ±50 Pa 200 Pa ±20 Pa ... 4,500 Pa ±200 Pa
Case	Plastic (ABS), colour black
Window	Polycarbonate (PC)
Cover	Screwed
Process connection	For hoses with inner diameter 4 ... 7 mm, lower mount
Electrical connection	Cable gland M12 Lower mount
Permissible temperatures <ul style="list-style-type: none"> ■ Ambient temperature ■ Medium temperature 	-30 ... +80 °C -16 ... +50 °C
Ingress protection	IP65 per IEC/EN 60529
Dimensions (H x W x D)	201 x 15 x 106 mm

Dimensions in mm



Accessories

Description		Order number
Process connections		
	With mounting thread G 1/8 for pipes 6.35 mm/1/4"	40232867
	Combi hose connection for pressure measurement hoses Ø 4 - 7 mm	40232484
Connections for static duct probes for 1/4" pipes		
	Insertion length 100 mm	40232956
	Insertion length 150 mm	40232964
	Insertion length 200 mm	40232972
Measuring hoses		
	PVC hose, inner diameter 4 mm, roll at 25 m	40217841
	PVC hose, inner diameter 6 mm, roll at 25 m	40217850
	Silicone hose, inner diameter 4 mm, roll at 25 m	40208940
	Silicone hose, inner diameter 6 mm, roll at 25 m	40208958
Duct connector for hose 4 and 6 mm		40217507
		

Approvals

Logo	Description	Country
	EU declaration of conformity <ul style="list-style-type: none"> ■ EMC directive ■ RoHS conformity ■ WEEE directive 	European Union
	EAC (option) <ul style="list-style-type: none"> ■ Import certificate ■ EMC directive 	Eurasian Economic Community
	GOST (option) Metrology, measurement technology	Russia

Certificates (option)

- 2.2 test report
- 3.1 inspection certificate

Approvals and certificates, see website

Scope of delivery

- Differential pressure gauge with pressure switch

Ordering information

Model / Scale range of Eco model A2G-05 differential pressure gauge / Measuring range of model A2G-40 differential pressure switch / Hose connection inner diameter 4 or 6 mm / Options

© 03/2010 WIKA Alexander Wiegand SE & Co. KG, all rights reserved.

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.

