Operating instructions
Betriebsanleitung
Mode d'emploi
Manual de instrucciones
Instruzioni per l'uso

ECO differential pressure transmitter model A2G-55

GB

ECO differential pressure transmitter air2guide E, model A2G-55

WIKA
Part of your business

40317650.01 09/2010 GB/D/F/E/I

Contents

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Warning!
This symbol warns you against actions that can cause injury to people or damage to the instrument.

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1. General information

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Please keep these operating instructions in a place where they will be easily accessible and visible to all users. The information contained in these installation and operating instructions has been compiled with care and is, to the best of our knowledge, accurate and correct. For additional information relating to your specific application please refer to:

- Official website at www.air2guide.com
- The appropriate data sheet

2. Safety

WARNING!
Electrical devices may only be installed and mounted by a qualified electrician.

The modules may not be used in connection with devices that directly or indirectly affect human health or safety or that could endanger humans, animals or material assets.

- Serious injuries and/or damage can occur should the appropriate regulations not be observed.
- Only qualified personnel, who are familiar with the relevant country-specific regulations, should install and commission this ECO differential pressure transmitter.

3. Description

These operating instructions apply to the following model:

ECO differential pressure transmitter
model A2G-55, data sheet SP 69.05

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4. Specifications and intended use

Accuracy

Linearisation error:	±1.0 % FS	
Measuring accuracy	at 0 … +50 °C:	±3.0 % FS
	at -10 … +50 °C:	±5.0 % FS
Typical overall error:	±2.0 % FS	

Measuring ranges

0 … 250 Pa, 0 … 500 Pa, 0 … 750 Pa, 0 … 1000 Pa,
0 … 1250 Pa, 0 … 2500 Pa, 0 … 3750 Pa, 0 … 5000 Pa

Maximum pressure

0 … 250 to 0 … 750 Pa:	5 kPa
0 … 1000 to 0 … 5000 Pa:	5 x FS

Burst pressure

0 … 250 to 0 … 750 Pa:	10 kPa
0 … 1000 to 0 … 5000 Pa:	10 x FS

Operating temperature

Storage:	-20 … +85 °C
Operation:	-10 … +50 °C

Ingress protection

IP 65 per EN 60529 / IEC 529

Standards

CE conformity:
89/336/EEC Electromagnetic Compatibility
2002/95/EG RoHS (restriction of the use of certain hazardous substances in electrical and electronic equipment)

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5. Installation

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- Protect measuring instruments from contamination, high temperature changes and vibrations
- In order to avoid any additional heating, the instruments must not be exposed to direct solar irradiation while in operation.
- The differential pressure transmitter must be screw-fitted on a suitable vertical surface. The instrument has to be mounted horizontally using the enclosed mounting screws.

6. Commissioning / Electrical connections

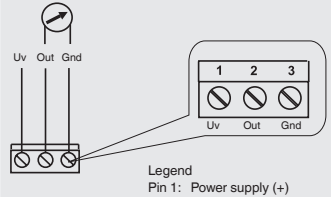
Output signal
DC 0 … 10 V, 3-wire
optionally 4 … 20 mA, 2-wire

Supply voltage
DC 13 ... 32 V

Electrical connection
PG-gland M16
Screw terminals max. 1.5 mm²

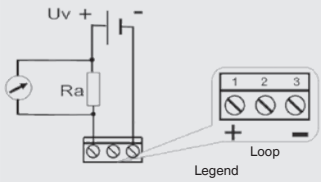
Connection diagram

Output signal DC 0 … 10 V, 3-wire



Legend
Pin 1: Power supply (+)
Pin 2: Output signal
Pin 3: Ground

Output signal 4 … 20 mA, 2-wire



Legend
Pin 1: Loop +
Pin 3: Loop -

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7. Storage

- To protect the differential pressure transmitters from mechanical damage keep them in the original packaging until installation.
- Storage temperature range: -20 ... +85 °C
- Protect pressure measuring instruments from moisture and dust.

8. Maintenance and cleaning

Clean the instruments with a moist cloth (soap water).

9. Repairs

Repairs must only be carried out by the manufacturer or appropriately qualified personnel. For further specifications see WIKA data sheet SP 69.05.

10. Disposal

Incorrect disposal can put the environment at risk.

Dispose of instrument components and packaging materials in an environmentally compatible way and in accordance with the country-specific waste disposal regulations.

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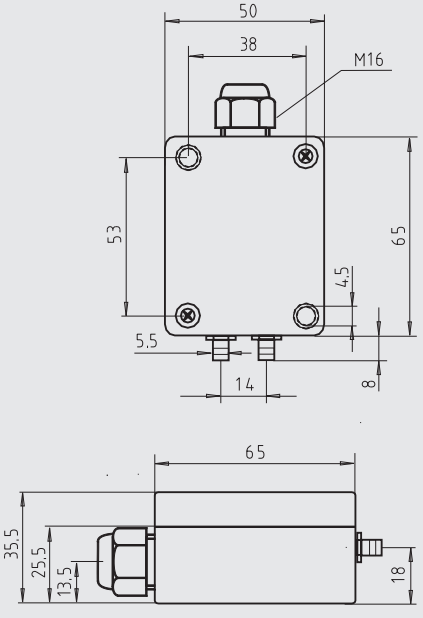
12. Dimensions in mm



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