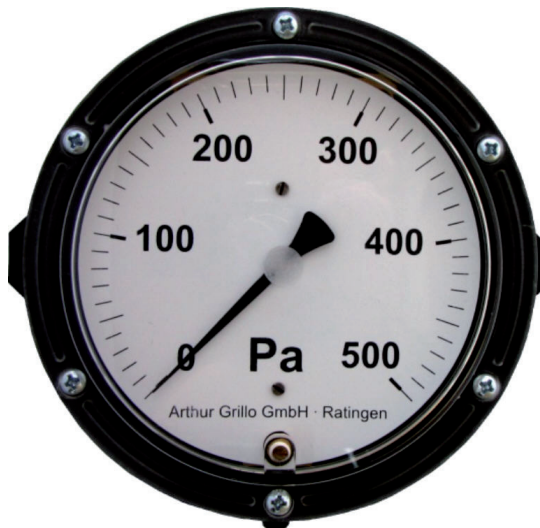




Differential pressure indicator DA2000

mechanical indicator for low-pressure

- large reading 270 ° = length of scale about 250 mm
- mechanical device, no supply voltage required
- panel mounting in front or behind panel
- simple wall mounting with bracket
- analoge output signal two-wire or three-wire technique (option)



Description and operation

Safety instructions



Attention! Read these instructions carefully before connecting the device and putting it into operation. The device may only be connected and put into operation by experienced expert staff.

Use

The differential pressure indicator DA 2000 is used for indication and control of small differential pressures of non aggressive gases, especially air.

The device can be used for instance in the air conditioning and ventilation technology with the control of fans, monitoring of the ambient pressure or the control of filters.

The differential pressure indicator DA 2000 is used wherever a pressure is to be monitored with simple means, e.g. filtration systems in ventilation technology

Description

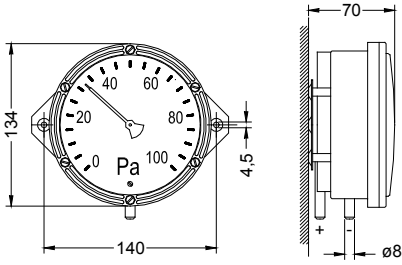
The differential pressure indicator DA 2000 is a low-pressure indicator.

The differential pressure to be measured acts on a silicone diaphragm and deflects it against a measuring spring. The deflection is transferred to the reading using a pointer mechanism. The device is available in different measuring ranges.

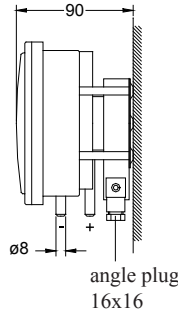
As an option, the indicator can also be equipped with one or two limit value indicators.

Dimensions

Wall mounting



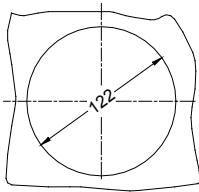
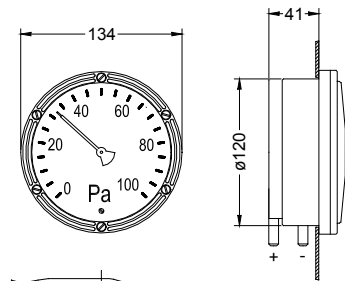
DA 2000



angle plug
16x16

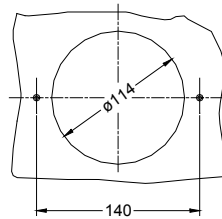
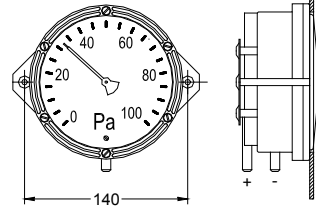
**DA 2000-A
with analog output**

Panel mounting in front of panel



Panel section

Panel mounting behind panel



Technical Details

Differential pressure indicator DA 2000

Indicator with lead diaphragm element for indication of pressure, underpressure or differential pressure of non aggressive gases.

measuring ranges: 0...100 Pa, 0...200 Pa, 0...500 Pa
0...1000 Pa, 0...2000 Pa, 0...5000 Pa

reading: Length of scale 270 ° = about 250 mm
overpressure protection: at least up to 10-fold of measuring range
static pressure: max. 0,2 bar
pressure connections: hose liners 8 mm ø
flash mounting housing: Ultramide/ABS, black/grey
round outside 134 mm,
41 mm + nozzle 15 mm
mounting depth: 41 mm + nozzle 15 mm
panel section: 122 mm ø
ambient temperature: 0...50 °C
protection class: IP65
weight: ca. 400 g
tolerance limit: ± 2 %

Option

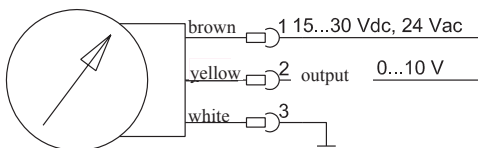
output: 0...10 V, max. load 5 mA, three-wire connection
supply voltage 24 Vac or 24 Vdc
4...20 mA, two-wire connection
supply voltage 12...30 Vdc, polarity arbitrary

electrical connection: two or three line cable, 50 cm long, colour-coded
electronics protected against failed connection
or plug connection 16x16 mm

EMC: test according to EN 50081-2, EN 50082-2, CE-signed

DA 2000-A

wiring-diagram three-wire technology



DA 2000-A

wiring-diagram two-wire technology

