

Datenblatt

Subject to technical alteration
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**» APPLICATION**

Differential pressure gauge for monitoring the differential pressure of air and other non-flammable and non-aggressive gases.

Possible applications:

Monitoring of air filters, fans, industrial cooling air cycles as well as overheating protection, control of air and fire dampers, antifreeze with heat exchangers.

» TYPES AVAILABLE

Type	Measuring range
DPG-60	0..60 Pa
DPG-100	0..100 Pa
DPG-250	0..250 Pa
DPG-500	0..500 Pa
DPG-1500	0..1500Pa
DPG-2500	0..2500Pa

Other ranges on request

» SECURITY ADVICE – CAUTION



The installation and assembly of electrical equipment should only be performed by authorized personnel.

The product should only be used for the intended application. Unauthorised modifications are prohibited! The product must not be used in relation with any equipment that in case of a failure may threaten, directly or indirectly, human health or life or result in danger to human beings, animals or assets. Ensure all power is disconnected before installing. Do not connect to live/operating equipment.

Please comply with

- Local laws, health & safety regulations, technical standards and regulations
- Condition of the device at the time of installation, to ensure safe installation
- This data sheet and installation manual

Before mounting, commissioning and operation, make sure that the right pressure gauge has been selected in terms of measuring range, design and, due to the specific measuring conditions, the suitable wetted medium. Only install and maintain pressure gauges by qualified personnel authorized by the plant operator. Failure to comply with applicable regulations may result in serious personal injury and / or property damage.

» NOTES ON DISPOSAL



As a component of a large-scale fixed installation, Thermokon products are intended to be used permanently as part of a building or a structure at a pre-defined and dedicated location, hence the Waste Electrical and Electronic Act (WEEE) is not applicable. However, most of the products may contain valuable materials that should be recycled and not disposed of as domestic waste. Please note the relevant regulations for local disposal.

» PRODUCT TESTING AND CERTIFICATION



Declaration of conformity

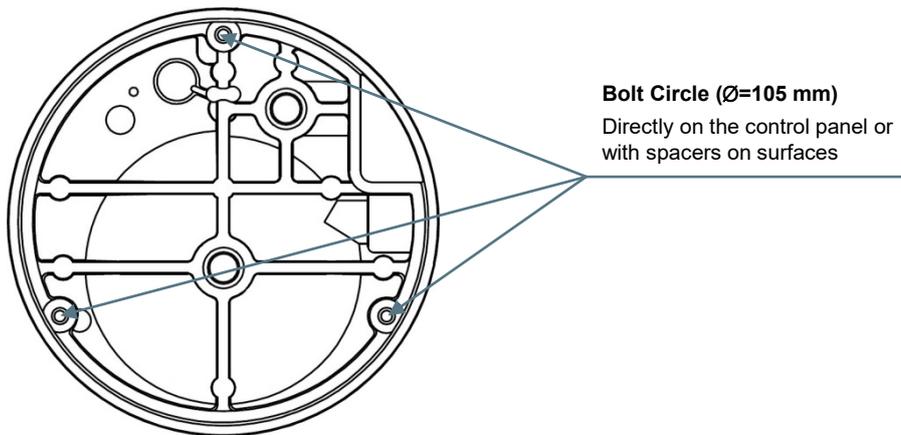
The declaration of conformity of the products can be found on our website <https://www.thermokon.de/>.

» TECHNICAL DATA

Measuring values	differential pressure
Medium	air, non-aggressive gases, non-flammable gases
Operating temperature range	-20..+60 °C
Accuracy pressure	<± 2% of measuring range(20°C) DPG60: <± 5% of measuring range DPG100: <± 4% of measuring range
Display	display Ø=100 mm
Enclosure	aluminium alloy, cover PC, transparent
Protection	IP65 according to EN 60529 (installed)
Connection mechanical	connection tube: PVC, soft
Ambient condition	max. 85% rH short term condensation

» MOUNTING ADVICES

- The pressure gauge is mounted with a vertical dial
- In order to connect the device, the process lines must be unpressurized
- Consider the suitability of the device for the medium to be measured
- Consider maximum pressures

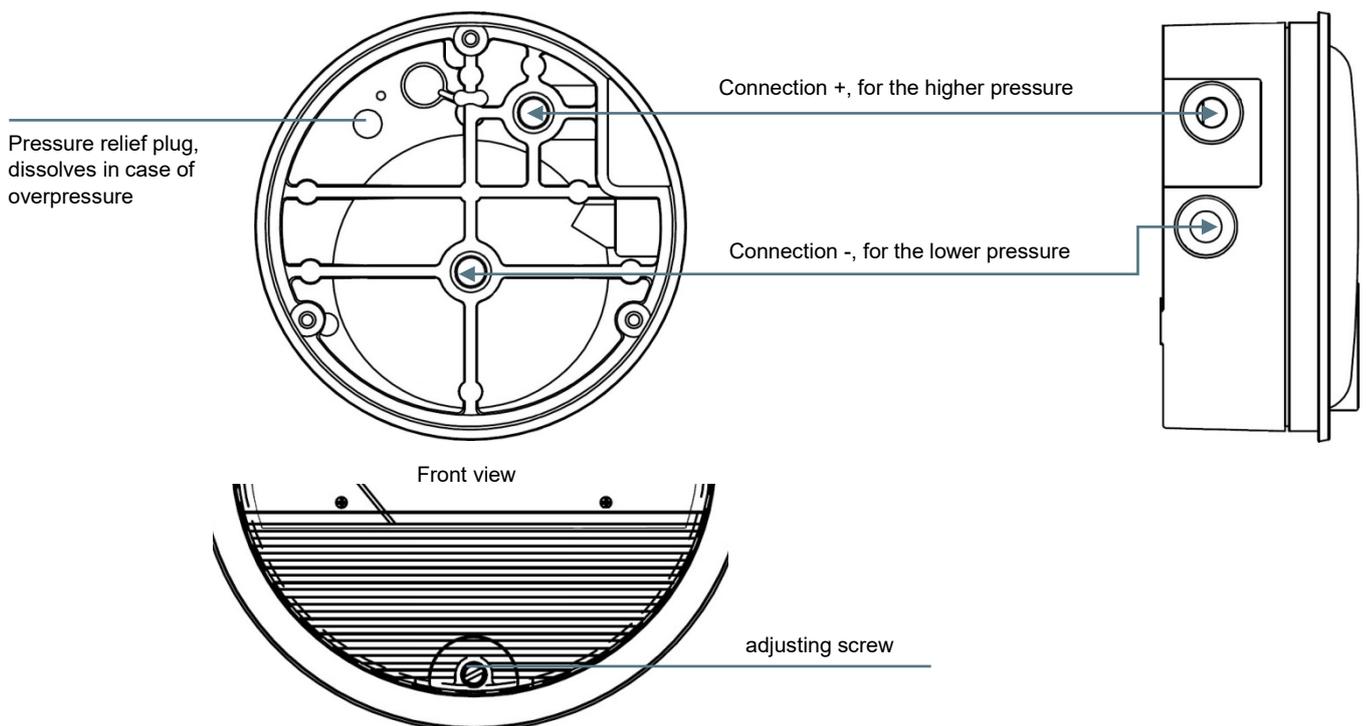


» COMMISSIONING

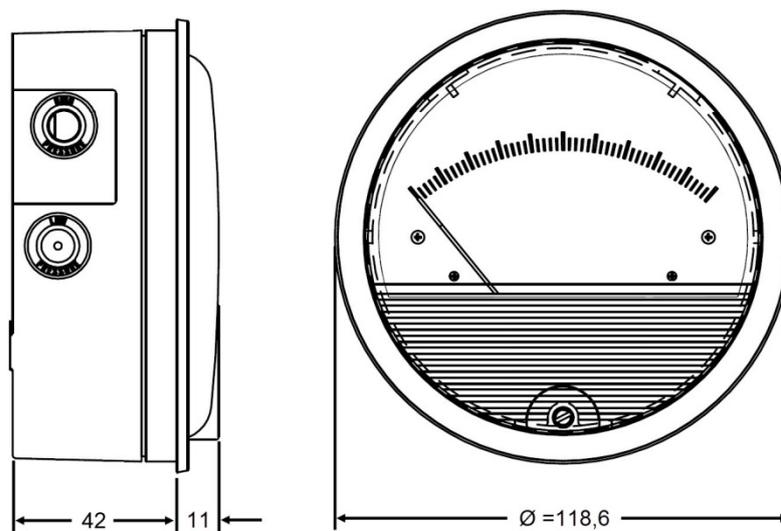
A prerequisite for the operation is a proper installation of all electrical supply, control and sensing leads as well as the pressurized connection line.

The pressure connection lines can optionally be connected to the side or to the rear of the device. The unused connections are screwed with a blanking plug.

Before installing the device, the leak tightness of the pressurized connection lines must be inspected.



» DIMENSIONS (MM)



» ACCESSORIES (INCLUDED IN DELIVERY)

2 m PVC connection tube
KKS40 kit (2 plastic duct flanges • 4 mounting screws 4x20)

Item No. 484268
Item No. 430135

» ACCESSORIES (OPTIONAL)

T-hose connector for pressure hoses $\varnothing=4$ mm (10 pcs)
Adapter 90° angle for pressure hoses $\varnothing=4$ mm
Metal duct connector MKS40
Metal duct connector MKS100

Item No. 668323
Item No. 668330
Item No. 265138
Item No. 302531