

Datasheet

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
DPG60	0..60 Pa
DPG100	0..100 Pa
DPG120	0..120 Pa
DPG200	0..200 Pa
DPG250	0..250 Pa
DPG300	0..300 Pa
DPG400	0..400 Pa
DPG500	0..500 Pa
DPG600	0..600 Pa
DPG800	0..800 Pa
DPG1k	0..1.000 Pa
DPG1,5k	0..1.500 Pa
DPG2k	0..2.000 Pa
DPG3k	0..3.000 Pa
DPG5k	0..5.000 Pa

Security Advice – Caution



The installation and assembly of electrical equipment must be performed by a skilled electrician.

The device should only be used for the appropriate application. Unauthorised conversions or alteration are prohibited! The modules must not be used in relation with equipment that threatens, directly or indirectly, human health or life or with applications that can result in danger for people, animals or assets.

Before connecting devices, the installation must be isolated from the power source!

CAUTION! Risk of electric shock due to live components within the enclosure, especially devices with mains voltage supply (usually between 90-265 V).

The following procedure must be carried out:

1. Disconnect the device from power.
2. Ensure the device is secured against reconnection.
3. Verify the device is not powered.
4. Prior to reconnection, ensure that the enclosure is securely closed.

Please verify and consult:

- Laws, standards and regulations.
- The current condition of the device at the time of installation, to ensure safe installation.
- The devices technical data and installation manual.

Notes on Disposal

The product is considered electrical and electronic waste and must be disposed accordingly.

Special treatment for specific components may be legally binding or ecologically sensible. The local and current applicable legislation must be followed.

Technical Data

Housing:	ABS
Cover:	PC
Membrane:	Silicone
Machinery:	Aluminium with steel spring
Accuracy:	<± 2% F.S (20°C), DPG60 <± 4 % ; DPG100 <± 3 %

Dial size:	Ø 100 mm
Weight:	700 g
Operation temperature:	-5...+60°C, max. 85%rH short term condensation
Storage temperature:	-40...85°C

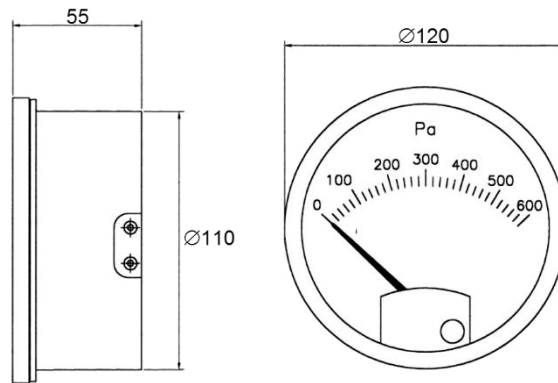
Mounting Advices

- 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.

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

Dimensions (mm)**Standard Accessories**

2 fixing screws
2 plastic duct connectors
2 meter tube $\varnothing 4 / 7$ mm
Surface mounting plate

Optional Accessories

Metal duct connectors