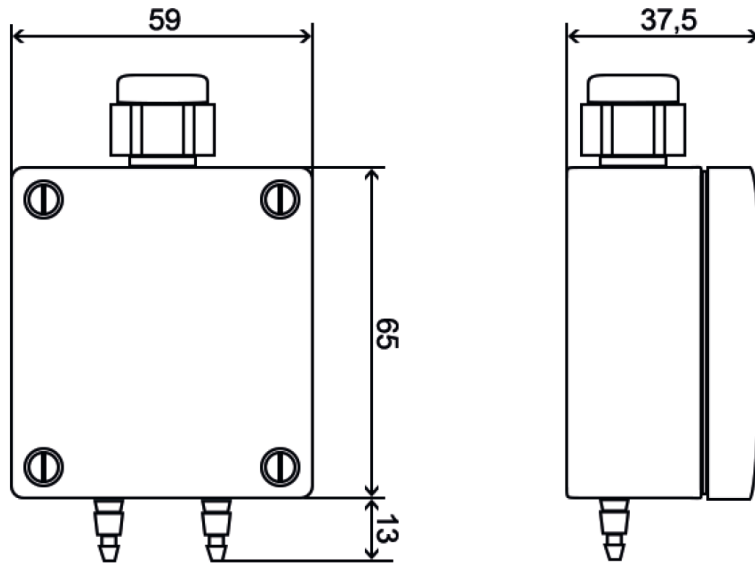


Technical Drawing



Type Selection

Typ	Druckbereich	Display	Ausgang
DPT-A-1000-10	A	No	0...10V
DPT-A-7000-10	B	No	0...10V
DPT-A-1000-20	A	No	4...20mA
DPT-A-7000-20	B	No	4...20mA
DPT-A-1000-10 D	A	Yes	0...10V
DPT-A-7000-10 D	B	Yes	0...10V
DPT-A-1000-20 D	A	Yes	4...20mA
DPT-A-7000-20 D	B	Yes	4...20mA

DDCtech

°C Temperatur % Feuchte CO² Luftqualität Pa Druck

DPT-A-1000 / 7000 0...10V / 4-20mA

DIFFERENTIAL PRESSURE TRANSDUCER



Application

Digital differential pressure transducer for overpressure, and underpressure and differential pressure measurements. Various measuring ranges can be selected with the help of a DIP switch. The integrated potentiometer can be used for offset calibration, a second potentiometer is used for selector shaft adjustment of the integrated relay. Optionally, the differential pressure switch is available with a graphic 1.44" e-Paper display.

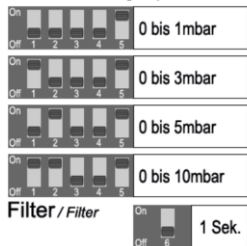
Technical Data

power supply	18-24VDC / 24VAC
measurement range	selection over the jumper: pressure range A 0-1mbar/0-3mbar/0-5mbar/0-10mbar -1...+1mbar/-3...+3mbar/-5...+5mbar oder -10...+10mbar pressure range B 0-20mbar/0-30mbar/0-50mbar/0-70mbar -20...+20mbar/-30...+30mbar/-50...+50mbar oder -70...+70mbar
bursting pressure	0,6bar for DPT-A-1000 1,2bar for DPT-A-7000
characteristics deviation	± 2,8% v. EW at +25°C for DDMU1/DDMI1 EW= set value ± 1,4% v. EW at +25°C for DDMU2/DDMI2
media	clean, non aggressive, non-condensing and not flameable media
output	0...10V or 4...20mA
relais	relais 24V/closer potential free
switching load	1A
Anschluss	screw clamps 1,5mm ²
pressure tyoe	differential pressure
offset	10%
operation temperature	-10...+70°C
permitted humidity	95% r. F. non-condensing
connection case	66x60x39mm Polyamid in white
protection class	IP65
pressure connection	connection nipple stainless steel
e-Paper Display (optional)	1,44", visible area 29x22mm, Auflösung 128x96 Pixel

Choice of Measurement Range

DPT-A-1000

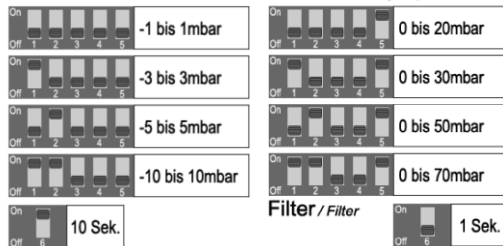
Auswahl Messbereich Measurement Range Options



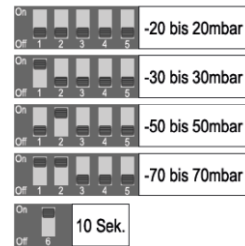
DPT-A-7000

(E1)

Auswahl Messbereich Measurement Range Options



(E2)



Hinweis

The dip switch no. 6 serves as a filter for the stabilization of the pressure measurement signal. In the OFF position, a query in the time interval of 1 second will be held. In ON position the polling interval is increased to 10 seconds and thus smoothed the signal.

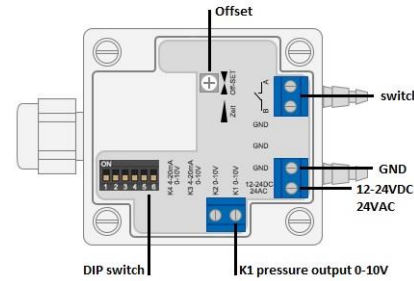
DDCtech

°C Temperatur % Feuchte CO² Luftqualität Pa Druck

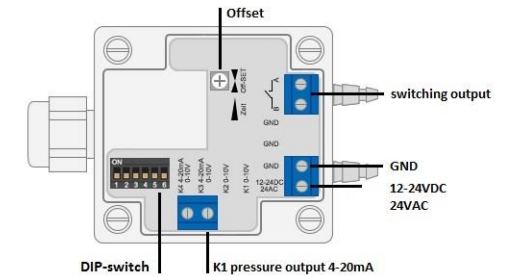
Electrical Connection

The electrical connection may only be performed by competent persons who are familiar with the relevant safety regulations.

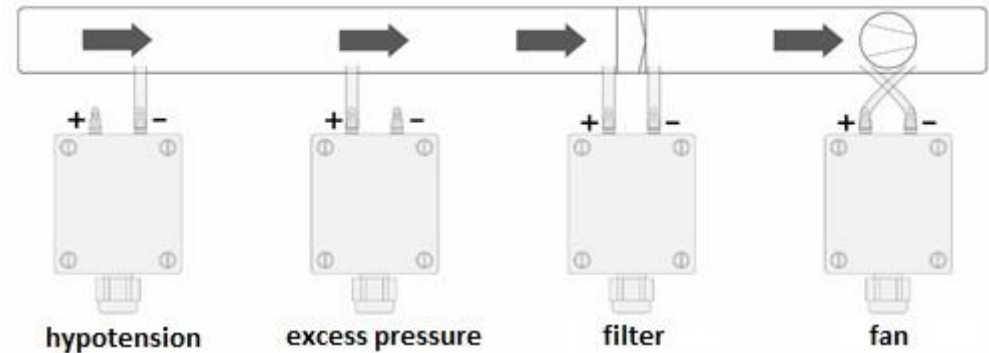
0-10V



4-20mA



Purpose (Pneumtical Connection)



General Information

- Installation of the equipment must be performed by qualified personnel.
- The units may be connected with the power off.
- The safety of the VDE, the states, the TÜV and the local energy supply company must be observed.
- The EMC guidelines must be observed. It can be used shielded connecting lines, laying parallel with current-carrying lines should be avoided.
- The operating near devices that do not comply with EMC directives may adversely affect the operation of the device.
- The buyer is responsible for ensuring compliance with the applicable building and safety guidelines.
- This product should not be used for safety-related tasks, such as for the protection of persons and emergency stop switch on equipment.
- Improper use of any defects and damages are excluded from the warranty and liability.
- Consequential damages caused by a fault in this device are excluded from warranty or liability.
- Only the technical data and connecting conditions of installation and operating instructions supplied with the instrument. Changes are always possible in terms of technical progress and the improvement of the products.
- Changes of the device by the user, all warranty claims.