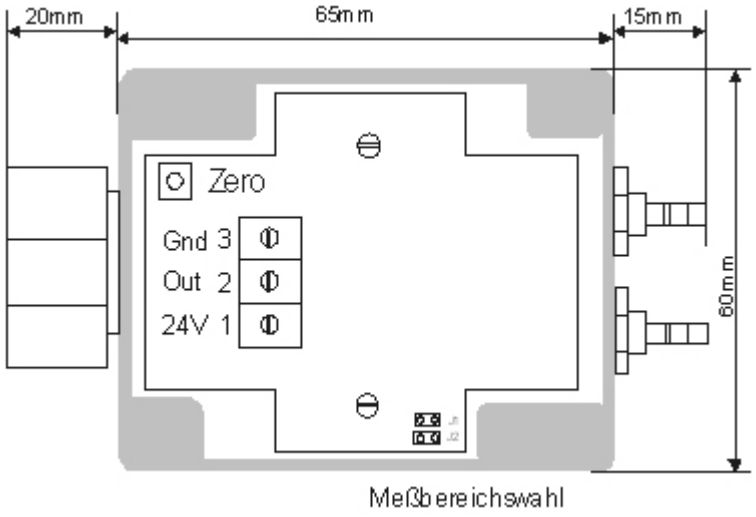
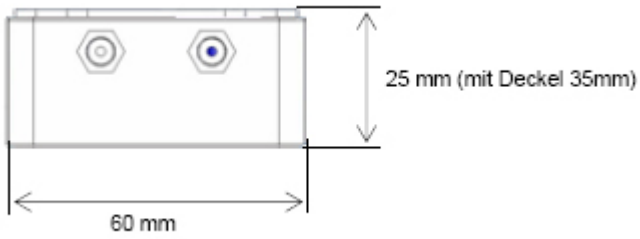
DAPT

barometric Pressure Transmitter





Pin	Signal
1	+ loop
2	
3	ground

Description

DDPT-10.0-xx is designated for measuring differential pressures in the air and in non-aggressive gases. The transmitter can be applied in the fields of pneumatics, processing engineering and building engineering.

As a result of completely digital realization it is possible to change over the measuring ranges and to return to zero position after installation. Thus, offset-errors can be compensated by position of installation.

The transmitter can be delivered with or without 4-place LCD-display. The range of values is freely selectable.

The access to data in digital form is possible optionally, and up to 120 transmitters of this series can be operated with one bus. Connection is made by bus coupler modules. Further measuring values are available in the digital series.

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Technical data

Output - DDPT-10 (Current) - DDPT-20 (Voltage)	 **4 … 20 mA** **0 … 10 V**
Supply voltage - DDPT-10 (Current) - DDPT-20 (Voltage)	 14 ... 30 V DC 14 ... 30 V DC, 15 ... 27 V AC
Linearity	+/- 1.0 % FS
Total error	+/- 2.5 % FS
Electrical connection	C-clamp in the case
Process connection	hose connector 3.5 / 5.5 mm
Process temperature	0 ... 50 °C
Ambient temperature	0 ... 50 °C
Type of protection	IP 65

Measuring range

700 ... 1200 mbar
800 ... 1100 mbar
900 ... 1100 mbar

other ranges on request

Service

The pressure sensors can be operated free of maintenance.

Note

We compiled this operating instructions carefully. Nevertheless, it was not possible to take all possibilities of application into account. If this data sheet should lack the solution of your special task, please don't hesitate to contact us.

Safety information

During installation, putting into service and operation of the pressure sensors, it is necessary to observe the relevant safety regulations that are in force in the country of the user (as for example, DIN VDE 0100 part 410).

Errors excepted; subject to alterations in the sense of technical improvement.