

## PEL 2000 DIFFERENTIAL PRESSURE TRANSMITTER

PEL 2000 is a pressure transmitter detecting pressures and pressure differences of the air-handling system. Pressure- or flow linear output can be selected at the commissioning. Due to the IP 54 enclosure PEL can also be used in dusty and wet surroundings.

The drift of the 0-point is compensated by software making regularly and automatically 0-point calibration. No re-calibration is normally needed.

Connections to the detected process are made by using Ø 6/4 mm plastic tubes. The proper range of measuring can be chosen at commissioning.

Displays can be incorporated also after commissioning by replacing the cover with a display cover and by connecting the displays to the connector on the printed board card. Display is always in Pascals. The resolution of digital display is 0,1 Pa for measured values below 200Pa.



### Technical data:

Supply	22...28 Vac/dc
Power consumption	24 Vdc < 1.0 VA 24 Vac < 1.5 VA
Measuring ranges	0...100Pa 0...200Pa 0...500Pa 0...1000Pa 0...2000Pa
Output	0...10 Vdc, < 2 mA pressure – or flow linear
Inaccuracy	< ± 3 Pa + ± 1% of reading (25 °C)
Temperature drift of range, typical	< 0,1 % / K
Time const.	8 s
Operating temperature	0...45 °C
Max. static / over pressure	25 kPa
Housing	IP 54

### Connection:

1	24 Vac/dc
2	0 V
3	0...10 Vdc output signal

### Ordering guide:

Model	Product number	Description
PEL 2000	1131160	differential pressure transmitter for air; automatic 0-point calibration
PEL 2000-N	1161161	differential pressure transmitter with display for air; automatic 0-point calibration

Products fulfil the requirements of directive 2004/108/EY and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).

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