Pneumatic level sensing

PNE

Transmitter for pressure and vacuum

Technical data

Operating voltage:	18... 26 V DC or 230 V / 50 Hz (option)
Power consumption:	approx. 800 mW
Measuring range:	0...2.5 mWS, 0...5.0 mWS or 0... 10.0 mWS
Overload range:	max. 2.5 x measuring range
Current output:	0 / 4... 20 mA burden max. 400 Ω
Voltage output:	0 / 1... 5 V or 0 / 2... 10 V burden min. 100 kΩ
Housing:	Steel, powder coated
Degree of protection:	IP 00
Hose connection:	8 mm outside diameter A) Plug in connector or B) Cutting ring glant
EMC	
Emission:	EN 50 081-2
Immunity:	EN 50 082-2

Description

The pneumatic level sensor PNE converts air pressure generated by the hydrostatic backpressure of the water level into a proportional, standard electrical signal. It is possible to correct the zero point and scaling using a single button.
False settings and system errors are indicated via LEDs.
The air dome or the bubble tube can be utilised in potentially explosive atmospheres.

Principal functions:

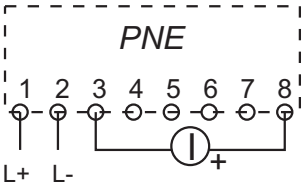
- Suitable for air bubbling (open) or closed systems
- Straightforward diagnostic functions facilitate calibration without additional measuring instruments
- Variant for vaccum
- Output signal 0/4... 20 mA, 0/1... 5 V or 0/2... 10 V
- One-button operation for scaling and zero point
- Advanced diagnostic functions (eg fault memory) over terminal software
- Compact design

Application

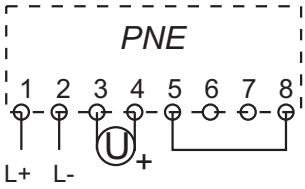
The pneumatic level sensor PNE is required in conjunction with an air bubbling system (open system) or in conjunction with the pneumatic pressure sensor PNA (closed system) to provide continuous pneumatic level measurements in drinking water and waste water plant.

Electrical connection

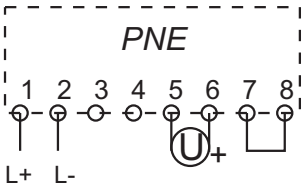
Current output
0/4... 20 mA



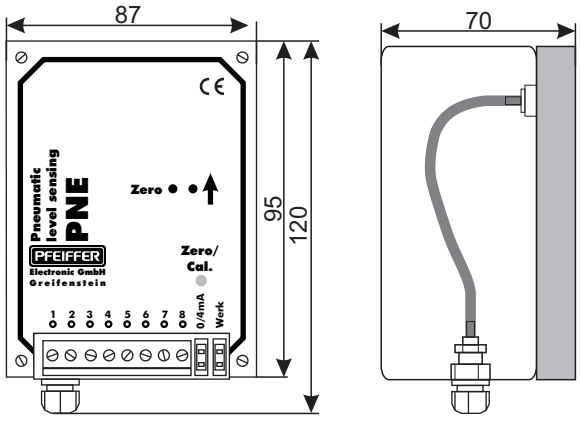
Voltage output
0/1... 5 V



Voltage output
0/2... 10 V



Dimensions



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