Operating Instructions **OI baelz 828-N**

2-wire pressure transmitter baelz 828-N

Safety notes

The pressure transmitter is designed for measuring absolute and gauge pressure of gases, vapours and liquids.
If used incorrectly, application related dangers may arise.
The transmitter must be installed, connected, commissioned, operated and maintained
only by qualified and authorised personnel
and under strict observance of these operating instructions, relevant national standards,
legal requirements, and where appropriate, the product certification.

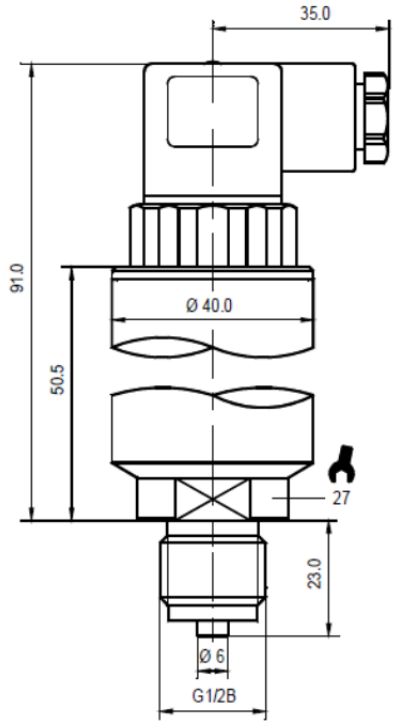
Installation

The function of the transmitter is nearly independent of its orientation. To protect the process connection and pressure diaphragm from damage, remove the protective cap just before installation.
The pressure transmitter must be installed in accordance with applicable national guidelines for pressure components. We recommend the use of isolating valves, syphons etc.
During installation, ensure that no water enters the housing.

Operating Conditions

Ambient temperature: -25...80 °C
Storage temperature: -40...85 °C
Fluid temperature: -40…100 °C (125 °C < 0,5h)

Dimensions



Electrical connection



4….20mA

Pin 1: +
Pin 2: -

U=9…32V DC

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Technical data

Range	: 0...40 mbar to 0...250 bar
Output signal	: 4...20 mA, 2-wire
Accuracy	: ≤ ± 0,2% FS ≥ 100mbar @ 25°C
Time constant T90	: 200 ms (other on request)
Supply voltage	: 9...30V DC, 20 mA output
Ambient temperature	: -25...80 °C
Process temperature	: -40...100 °C (125 °C < 0,5h)
Temperature coeff.	: ≤ ± 0,015% FS/K (zero)
	≤ ± 0,01% FS/K (span)
Long term stability	: ≤ ± 0,15% FS p. a.
Housing	: stainless steel, 1.4404
Sensor	: ceramic AL_2O_3
Electrical connection	: connector EN 175301-803A, IP65

Range	**Overload (bar)**
-100…100 mbar	-0,3 / 4 bar
-200…200 mbar	-1 / 6 bar
-1…1 bar	6 bar
-1…3 bar	25 bar
-1…9 bar	40 bar
0…100 mbar	-1 / 4 bar
0…160 mbar	-1 / 6 bar
0…200 mbar	-1 / 6 bar
0…250 mbar	-1 / 6 bar
0…400 mbar	-1 / 6 bar
0…600 mbar	-1 / 10 bar
0…1 bar	-1 / 10 bar
0…1,6 bar	-1 / 20 bar
0…2 bar	-1 / 20 bar
0…2,5 bar	-1 / 25 bar
0…4 bar	-1 / 25 bar
0…6 bar	-1 / 40 bar
0…10 bar	-1 / 40 bar
0…16 bar	-1 / 40 bar
0…20 bar	-1 / 40 bar
0…25 bar	-1 / 60 bar
0…40 bar	-1 / 60 bar
0…60 bar	-1 / 100 bar

Remark:
for higher temperatures,
we recommend using
a cooling element,
see baelz 85800...

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