

VEGABAR 17

4 ... 20 mA

Process pressure transmitter with metallic measuring cell



Application area

VEGABAR 17 is a pressure transmitter for measurement of gauge pressure and absolute pressure. Measured products are gases, vapours and liquids. The front flush versions are also suitable for use in viscous or contaminated products.

Advantages

- Small, compact dimensions
- Stainless steel housing with terminal connection or cable outlet
- Zero and span adjustable
- Deviation < 0.5 %
- Wetted parts of stainless steel

Function

The process pressure causes a resistance change in the sensor element via the stainless steel diaphragm. This change is converted into a corresponding output signal and outputted as measured value.

For measuring ranges up to 16 bar, a piezoresistive sensor element with internal transmission liquid is used. From 25 bar a strain gauge sensor element on the rear of the stainless steel diaphragm is used. This dry system operates without additional isolating liquid.

Technical data

Measuring ranges	-1 ... 1000 bar (-14.5 ... 14503 psig)
Smallest measuring range	0.1 bar (1.45 psig)
Deviation	< 0.5 %
Process fitting	Manometer connection G ½ A, ½ NPT, thread from G½ B front-flush, hygienic fittings
Process temperature	-40 ... +150 °C (-40 ... +302 °F)
Ambient, storage and transport temperature	-40 ... +80 °C (-40 ... +176 °F)

Materials

The wetted parts of the instrument are made of 316L Ti and Hastelloy C4. The process seal consists of FKM, EPDM and NBR.

You can find a complete overview of the available materials and seals in the "configurator" on our homepage at www.vega.com/configurator.

Housing versions

The housing is equipped with plug connector according to DIN 43650-A, M12 x 1 or with direct cable outlet.

It is available with protection ratings up to IP 67.

Electronics versions

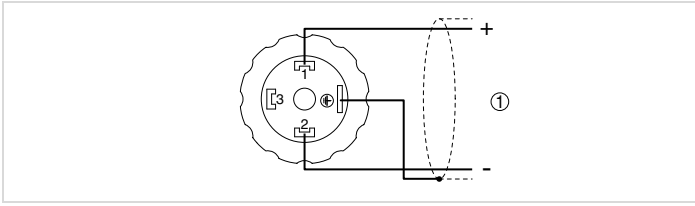
The instrument has a 4 ... 20 mA signal output.

Approvals

The instrument is suitable for use in hazardous areas and is approved e.g. according to ATEX and IEC. The instrument has also different ship approvals such as e.g. GL, LRS or ABS.

You can find detailed information on the existing approvals in the "configurator" on our homepage under www.vega.com/configurator.

Electrical connection

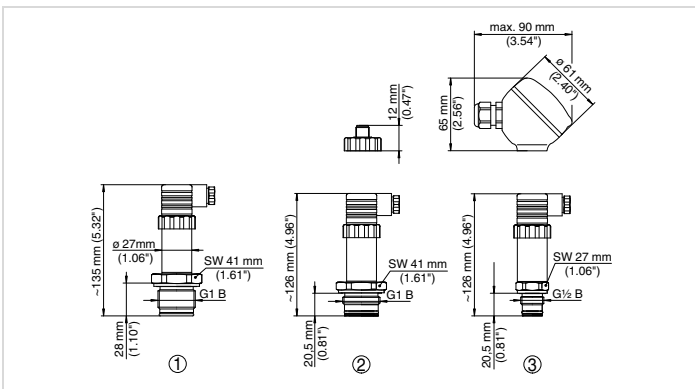


Wiring plan angle plug connector according to DIN 43650-A, top view to the connection on the instrument side

1 Voltage supply and signal output

You can find details on the electrical connection in the operating instructions of the instruments on our homepage under www.vega.com/downloads.

Dimensions



Dimensions VEGABAR 17

- 1 Threaded version G1 B, hygienic
- 2 Threaded version G1 B, front-flush
- 3 Threaded version G $\frac{1}{2}$ B, front-flush

Information

You can find further information about the VEGA product line on our homepage www.vega.com.

In the download section under www.vega.com/downloads you'll find free operating instructions, product information, brochures, approval documents, instrument drawings and much, much more.

Device selection

With the "finder" you can select the measuring principle best suiting your application: www.vega.com/finder.

You can find detailed information on the instrument versions in the "configurator" on our homepage under www.vega.com/configurator.

Contact

You can find the VEGA agency serving your area on our homepage www.vega.com.