VEGABAR 55

Profibus PA

Pressure transmitter with METEC®® measuring cell

Application area

The VEGABAR 65 is a pressure transmitter for pressure and level measurements of liquids and viscous products in the chemical, food processing and pharmaceutical industry. The VEGABAR 65 offers the possibility to detect even smallest measuring ranges from 0.1 bar.

Your benefit

- Excellent measuring accuracy even with strongly fluctuating process temperatures
- High measurement certainty through vacuum resistant version
- Very good cleanability and high chemical resistance through high resistance diaphragm materials

Function

The heart of the pressure transmitter is the pressure measuring cell converting the pressure into an electrical signal. This pressure-dependent signal is convereted by the integrated electronics into a standardized output signal. Different measuring cells are used for pressure detection.
The metallic METEC® measuring cell allows fully welded versions and covers also higher temperature ranges.

Technical data

Measuring ranges	+0.1 … +25 bar/+10 … +2500 kPa (+1.45 … +363 psig)
Smallest measuring range	+0.1 bar/+10 kPa (+1.45 psig)
Deviation in characteristics	0.2 %; 0.1 %; 0.075 %
Process fitting	Threads from G½, ½ NPT, flanges from DN 25, hygienic fittings
Process temperature	-12 … +200 °C (-10 … +392 °F)
Ambient, storage and transport temperature	-40 … +80 °C (-40 … +176 °F)
Operating voltage	9 … 32 V DC

Materials

The process fitting of the instrument is made of 316L. The process diaphragm is available in Hastelloy C276, also with gold or gold/rhodium coating.
You will find a complete overview of the available materials and seals in the "*Configurator*" at www.vega.com and "*VEGA Tools*".

Housing versions

The housings are available as single chamber or double chamber version in plastic, stainless steel or aluminium.
They are available in protection ratings up to IP 68 (25 bar) with external electronics.

Electronics versions

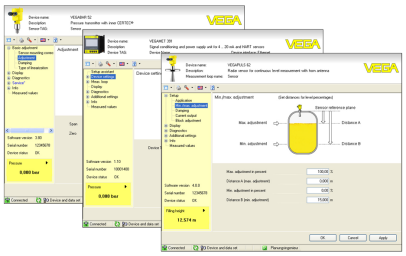
The instruments are available in different electronics versions. Apart from the two-wire electronics with 4 … 20 mA or 4 … 20 mA/HART, two purely digital versions with Profibus PA and Foundation Fieldbus are available.

Approvals

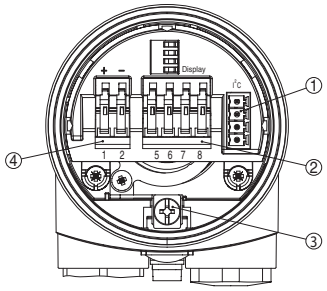
The instruments are suitable for use in hazardous areas and are approved e.g. according to ATEX and IEC. The instruments also have various ship approvals such as e.g. GL, LRS or ABS.
You can find detailed information on www.vega.com/downloads and "*Approvals*".

Operation

The adjustment of the instrument is carried out via the optional indicating and adjustment module PLICSCOM or via a PC with the adjustment software PACTware and respective DTM. An alternative adjustment possibility is the manufacturer-specific adjustment program PDM.



Electrical connection

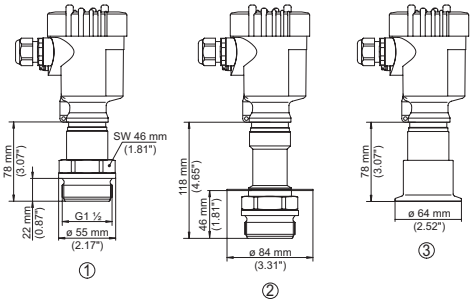


Electronics and connection compartment, single chamber housing

1 *Plug connector for VEGACONNECT (I²C interface)*
2 *Spring-loaded terminals for connection of the external indication VEGADIS 61*
3 *Ground terminal for connection of the cable screen*
4 *Spring-loaded terminals for voltage supply and signal output*

You can find details on electrical connection in the instrument operating instructions on our homepage at www.vega.com/downloads.

Dimensions



Dimensions VEGABAR 65

1 *Threaded version G1½ A*
2 *Threaded version G1½ A, 200 °C*
3 *Tri-Clamp version 2"*

Info

You can find further information about the VEGA product line on www.vega.com.
In the download section under www.vega.com/downloads you'll find operating instructions, product information, brochures, approval documents, instrument drawings and much, much more.
There, you will also find GSD and EDD files for Profibus PA systems as well as DD and CFF files for Foundation Fieldbus systems.

Instrument selection

With the "*Finder*" on www.vega.com/finder and "*VEGA Tools*" you can select the most suitable measuring principle for your application.
You can find detailed information on the instrument versions in the "*Configurator*" on www.vega.com/configurator and "*VEGA Tools*".

Contact

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

For more VEGA product please visit: www.ainstru.com
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