

VEGABAR 66

4 ... 20 mA/HART

Suspension pressure transmitter with CERTEC® measuring cell



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	0.1 %
Process fitting	Straining clamp, threaded fitting, thread ab G1½, 1½ NPT, flanges from DN 40, 2"
Process pressure	-1 ... +130 bar (-100 ... +13000 kPa)
Process temperature	-20 ... +100 °C (-4 ... +212 °F)
Ambient, storage and transport temperature	-40 ... +80 °C (-40 ... +176 °F)
Operating voltage	12 ... 36 V DC
SIL qualification	Optionally up to SIL2

Application area

The VEGABAR 66 is a suspension pressure transmitter for level measurement in wells, basins and open vessels. Its great flexibility through different cable and tube versions allows VEGABAR 66 to be used in many different applications.

Your benefit

- High plant availability through maximum overload and vacuum resistance of the ceramic measuring cell
- Self-cleaning effect thanks to front-flush design
- Low costs for maintenance thanks to wear-free ceramic measuring cell

Function

The heart of the pressure transmitter is the pressure measuring cell transforming the pressure into an electrical signal. This pressure-dependent signal is converted by the integrated electronics into a standardized output signal.

The sensor element with VEGABAR 66 is the CERTEC® measuring cell with excellent long-term stability and high overload resistance. The measuring cell is also equipped with a temperature sensor. The temperature value can be displayed via the indicating and adjustment module or processed via the signal output.

Materials

The transmitter of the instrument is made of 316L or PVDF. The process seal consists of FKM, FFKM or EPDM, the suspension cable of PE, PUR or FEP.

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/HART, also two purely digital versions with Profibus PA and Foundation Fieldbus are possible.

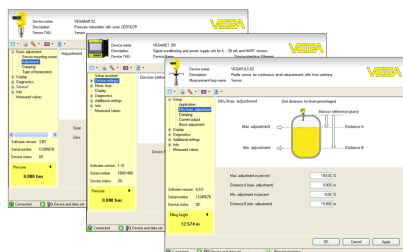
Approvals

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.

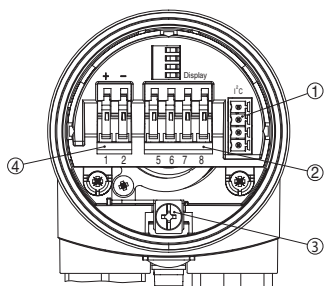
You can find detailed information at www.vega.com/downloads and "Approvals".

Operation

The adjustment of the instrument is carried out via the optional display and adjustment module PLICSCOM or via a PC with the adjustment software PACTware and corresponding DTM. Further adjustment options are available via HART communicator as well as manufacturer-specific programs such as AMS™ or PDM.



Electrical connection

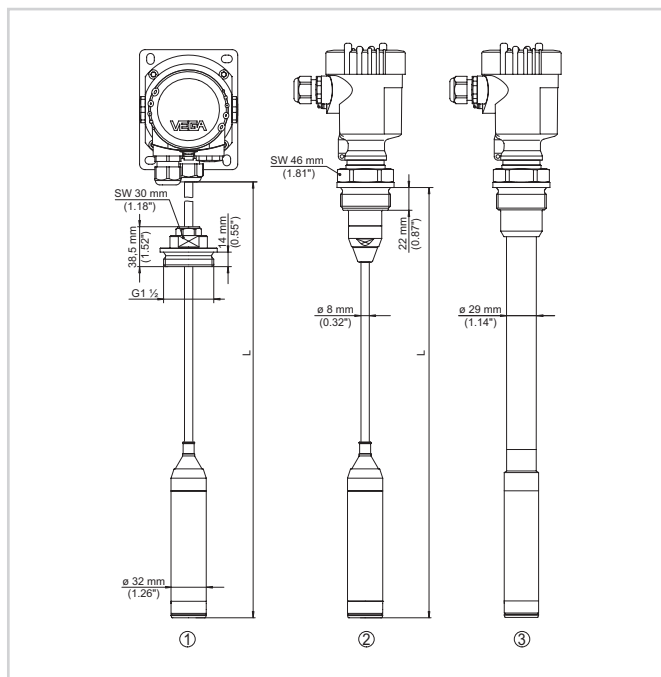


Electronics and terminal compartment, single chamber housing

- 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 66

- 1 Version with suspension cable and threaded fitting unassembled G1 1/2 A
- 2 Threaded version G1 1/2 A, suspension cable
- 3 Threaded version G1 1/2 A, connection tube

Information

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

In the download section at 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" at 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" at www.vega.com/configurator and "VEGA Tools".

Contact

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