VEGABAR 66
Profibus PA

Suspension pressure transmitter with CERTEC® measuring cell

**Area of application**

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.

**Advantages**

- 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 that transforms pressure into an electrical signal. This pressure-dependent signal is converted into a standard output signal by the integrated electronics.

The sensor element is the CERTEC® measuring cell with excellent long-term stability and high overload resistance. The CERTEC® 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.

**Technical data**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Measuring ranges</td>
<td>+0.1 ... +25 bar/+10 ... +2500 kPa (+1.45 ... +363 psig)</td>
</tr>
<tr>
<td>Smallest measuring range</td>
<td>+0.1 bar/+10 kPa (+1.45 psig)</td>
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<tr>
<td>Deviation</td>
<td>&lt; 0.1 %</td>
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<tr>
<td>Process fitting</td>
<td>Straining clamp, threaded fitting G1½ , thread G1½ (DIN 3852-A) or 1½NPT (ASME B1.20.1), flanges from DN 50</td>
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<tr>
<td>Process pressure</td>
<td>-1 ... +130 bar (-100 ... +13000 kPa)</td>
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<tr>
<td>Process temperature</td>
<td>-40 ... +100 °C (-40 ... +212 °F)</td>
</tr>
<tr>
<td>Ambient, storage and transport temperature</td>
<td>-40 ... +80 °C (-40 ... +176 °F)</td>
</tr>
<tr>
<td>Operating voltage</td>
<td>9 ... 32 V DC</td>
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</table>

**Materials**

The transmitter of the instrument is made of 316L or PVDF. The process seat 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" on our homepage under [www.vega.com/configurator](http://www.vega.com/configurator).

**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 have 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](http://www.vega.com/configurator).
**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.

**Dimensions**

Dimensions VEGABAR 66
1. Version with suspension cable and threaded fitting unassembled G1½ A
2. Threaded version G1½ A, suspension cable
3. Threaded version G1½ A, connection tube

**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.
There, you will also find GSD and EDD files for Profinbus PA systems as well as DD and CFF files for Foundation Fieldbus systems.

**Instrument selection**

With the "finder" you can select the most suitable measuring principle for 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.