VEGABAR 55
Profibus PA

Pressure transmitter with METEC® measuring cell

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>
</tr>
<tr>
<td>Deviation</td>
<td>&lt; 0.2 %, optionally up to &lt; 0.075 %</td>
</tr>
<tr>
<td>Process fitting</td>
<td>Thread from 1/2&quot; or 1/2 NPT, flanges from DN 20, fittings for the food processing industry</td>
</tr>
<tr>
<td>Process temperature</td>
<td>-12 ... +200 °C (-10 ... +392 °F)</td>
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<tr>
<td>Ambient, storage and transport</td>
<td>-40 ... +80 °C (-40 ... +176 °F)</td>
</tr>
<tr>
<td>temperature</td>
<td></td>
</tr>
<tr>
<td>Operating voltage</td>
<td>9 ... 32 V DC</td>
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</table>

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" on our homepage under 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 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 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.
**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.

**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 Proflbus 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.

**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 the electrical connection in the instrument operating instructions on our homepage at www.vega.com/downloads.

**Dimensions**

Dimensions VEGABAR 65