VEGAFLEX 67
4 ... 20 mA/HART two-wire (-40 °C ... +150 °C)

TDR Sensor for Continuous Interface Measurement

Application Area
VEGAFLEX 67 is a level sensor with a rod or cable probe for continuous interface measurement. Typical applications are measurements in precipitators and separators.

Advantages
Recognizable benefits of the VEGAFLEX 67 include:
• Easy mounting and installation
• Independent of product density
• Insensitive to vapor and condensation
• Wear and maintenance-free

Function
High frequency microwave impulses are coupled onto a cable or rod and guided along the probe. When reaching the product surface, a part of the microwave impulses is reflected. The other part passes the upper product and is reflected a second time by the interface. The running times to the two product layers are processed by the instrument.

Technical Data

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Measuring Range</td>
<td></td>
</tr>
<tr>
<td>- Cable Version</td>
<td>1 m ... 32 m (3.281 ft. ... 105 ft.)</td>
</tr>
<tr>
<td>- Rod Version</td>
<td>0.3 m ... 6 m (0.984 ft. ... 19.69 ft.)</td>
</tr>
<tr>
<td>- Coax Version</td>
<td>0.3 m ... 6 m (0.984 ft. ... 19.69 ft.)</td>
</tr>
<tr>
<td>Measuring Accuracy</td>
<td>± 10 mm</td>
</tr>
<tr>
<td>Process Fitting</td>
<td>Thread from G¾ A, Flange from DN 25</td>
</tr>
<tr>
<td>Process Pressure</td>
<td>-1 ... 40 bar (-100 ... 4000 kPa / -14.5 ... 580 psig)</td>
</tr>
<tr>
<td>Process Temperature</td>
<td>-40 °C ... +150 °C (-4 °F ... +302 °F)</td>
</tr>
<tr>
<td>Ambient, Storage, and Transport Temperature</td>
<td>-40 °C ... +80 °C (-40 °F ... +176 °F)</td>
</tr>
<tr>
<td>Supply Voltage</td>
<td>14 ... 36 V DC</td>
</tr>
</tbody>
</table>

Materials
The wetted parts of the instrument are made of stainless steel. The instrument seal is made of either FKM, FFKM, or EPDM.

Housing Versions
The housings are available as single chamber or double chamber version in plastic, stainless steel or aluminium. They are available in protection classes up to IP 68 (1 bar).

Electronic Versions
The instruments are available in different electronics versions. Apart from the two-wire electronics with 4 ... 20 mA/HART, a four-wire version and 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 according to ATEX, FM, CSA, and IEC. The instruments also have different ship approvals such as GL, LRS, or ABS.
Speciation Sheet

Operation
The adjustment of the VEGAFLEX 67 is carried out using the optional indicating and adjustment module PLICSCOM or using a PC with the adjustment software PACTware and the sensor’s respective DTM. Further adjustment options are available via HART communicator as well as manufacturer-specific programs such as AMS™ or PDM.

Dimensions

VEGAFLEX 67
1  Rod Version
2  Cable Version
3  Coax Version

Information
You can find additional information about VEGA product offerings from our home page, www.vega-americas.com. Brochures, operating instructions, quick reference guides, speciation sheets, and drawings are also available from the Downloads section of our homepage.

Device Selection
The Downloads section of our home page, www.vega-americas.com provides application data sheets so you can select the measuring principle or product for your particular application.

Contact
Please call 1-513-272-0131, Monday through Friday, 8:00 A.M.-5:00 P.M., EST (Eastern Standard Time) if you have any questions. For emergencies after hours, call the number above and follow the voice mail instructions.

All items are subject to change without notice.