

# VEGAFLEX 65

## 4 ... 20 mA/HART two-wire

### TDR Sensor for Continuous Level Measurement



#### Application Area

VEGAFLEX 65 is a coaxial level sensor for continuous level measurement in low viscosity liquids. Typical applications are level measurements of solvents and fuels. All instruments are preset to the ordered probe length.

#### Advantages

Recognizable benefits of the VEGAFLEX 65 include:

- Easy setup without adjustment
- Independent of product characteristics
- Insensitive to vapor and condensation
- Unaffected by socket lengths and lateral installations
- High accuracy

#### Function

High frequency microwave impulses are coupled onto the internal rod of the coax system and guided along the probe. The pulses are reflected by the product surface. The time from emission to reception of the signals is proportional to the level in the vessel.

#### Technical Data

<b>Measuring Range</b>	
- Coax Version	0.5 m ... 6 m (1.64 ft. ... 19.69 ft.)
<b>Measuring Accuracy</b>	± 2 mm
<b>Process Fitting</b>	Thread from G $\frac{3}{4}$ A, Flange from DN 25
<b>Process Pressure</b>	-1 ... 40 bar (-100 ... 4000 kPa / -14.5 ... 580 psig)
<b>Process Temperature</b>	-40 °C ... +150 °C (-40 °F ... +302 °F)
<b>Ambient, Storage, and Transport Temperature</b>	-40 °C ... +80 °C (-40 °F ... +176 °F)
<b>Supply Voltage</b>	14 ... 36 V DC

#### 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

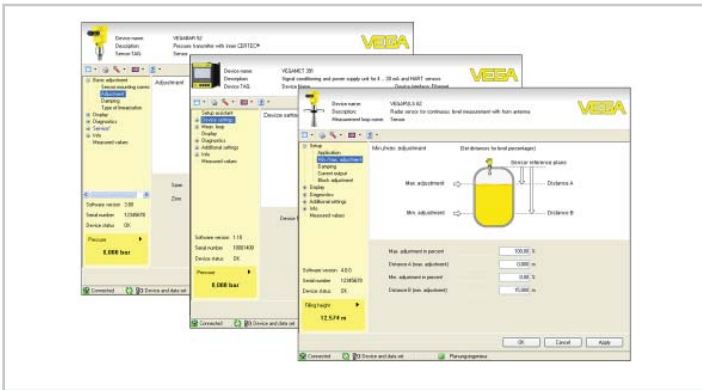
The instruments are available in different electronics versions. Apart from the two-wire electronics with 4... 20 mA/HART, a four-wire version and two purely digital versions with Profibus PA and Foundation Fieldbus are available.

#### Approvals

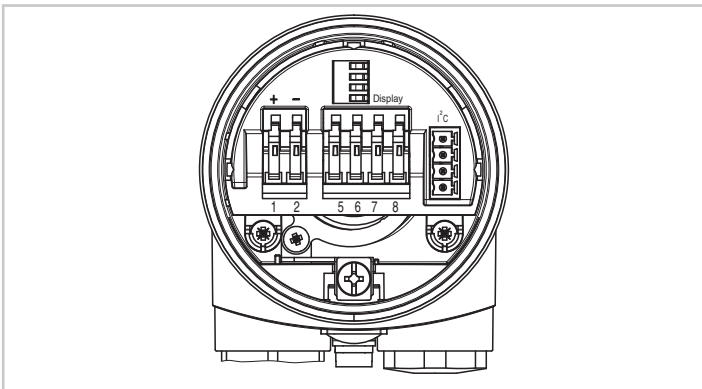
The instruments are suitable for use in hazardous areas and are approved according to ATEX, FM, CSA, and IEC. The instruments also have different ship approvals such as GL, LRS, or ABS.

## Operation

The adjustment of the VEGAFLEX 65 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.

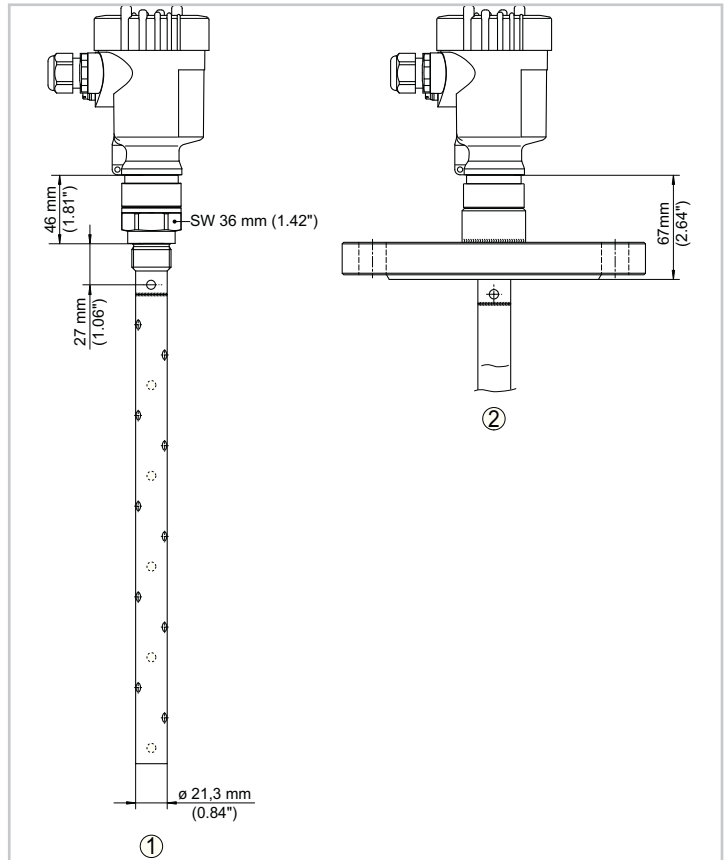


## Electrical Connection



Electronics and onnection compartment, single chamber housing

## Dimensions



VEGAFLEX 65

- 1 Threaded Version
- 2 Flange Version

## Information

You can find additional information about VEGA product offerings from our home page, [www.vega-americas.com](http://www.vega-americas.com). Brochures, operating instructions, quick reference guides, specification 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](http://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 (EasternStandardTime) 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.*