



#### Reliable

Trouble-free operation of the fermenter with technology

#### Cost effective

Long service life ensured through non-contact measuring method

#### User friendly

Easy installation and retrofit, through external vessel mounting

## Compact slurry tanks in biogas plants

### Level measurement in energy production from waste

Biogas plants convert a mixture of organic waste and renewable raw materials into valuable energy through fermentation using a largely CO<sub>2</sub> neutral process. Optimal consumption of the resources and maintenance-free operation require the use of highly reliable measurement technology. In all production steps – from the delivery of raw materials and waste to the removal of residues – the levels must be closely and accurately monitored.

[More details](#)



#### VEGAPULS C 21

Non-contact level measurement with radar in the slurry tank of a biogas plant.

- Radar measurement is completely independent of ambient conditions
- Non-contact measurement allows maintenance-free operation
- Simple mounting reduces installation costs

[Show Product](#)



#### VEGAWELL 52

Hydrostatic level measurement with submersible pressure transmitter

- High durability ensures long service life
- Hydrostatic measurement independent of surface foam
- Simple setup and commissioning reduces costs

[Show Product](#)

## BASIC

## VEGAPULS C 21

[Show Product](#)**Measuring range - Distance**

15 m

**Process temperature**

-40 ... 80 °C

**Process pressure**

-1 ... 3 bar

**Accuracy**

± 2 mm

**Frequency**

80 GHz

**Beam angle**

8°

**Materials, wetted parts**

PVDF

**Threaded connection**

G1½ / G1, 1½ NPT / 1 NPT, R1½ / R1

**Seal material**

FKM

**Protection rating**

IP66/IP68 (3 bar), Type 6P

## PRO

## VEGAWELL 52

[Show Product](#)**Measuring range - Pressure**

0 ... 60 bar

**Process temperature**

-20 ... 80 °C

**Process pressure**

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**Accuracy**

0.1 %

**Materials, wetted parts**

PVDF

316L

Duplex (1.4462)

FEP

PE

1.4301

Titanium

**Seal material**

EPDM

FKM

FFKM

**Protection rating**

IP66/IP67

IP68

**Output**

4 ... 20 mA

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

**Ambient temperature**

-40 ... 80 °C