

#### Reliable

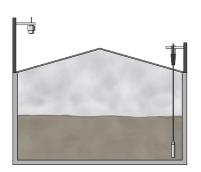
Trouble-free operation of the fermenter with technology

#### 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 CO2 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

#### PRO

# 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

 $G1\frac{1}{2}/G1,\,1\frac{1}{2}\,NPT\,/\,1\,NPT,\,R1\frac{1}{2}/\,R1$ 

Seal material

FKM

Protection rating

IP66/IP68 (3 bar), Type 6P

## **VEGAWELL 52**

**Show Product** 



Measuring range - Pressure

0 ... 60 bar

Process temperature

-20 ... 80 °C

Process pressure

-

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

Two-wire: 4 ... 20 mA/HART

Ambient temperature

-40 ... 80 °C

