



Reliable

Trouble-free operation of the fermenter with technology

Cost effective

Long service life ensured through non-contact measuring method

User friendly

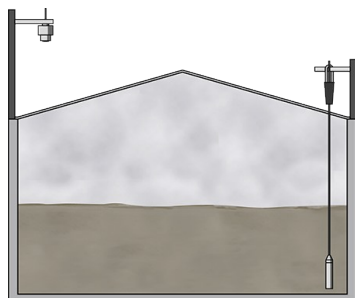
Easy installation and retrofit, through external vessel mounting

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

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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

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BASIC	PRO
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Measuring range - Distance 15 m	Measuring range - Pressure 0 ... 60 bar
Process temperature -40 ... 80 °C	Process temperature -20 ... 80 °C
Process pressure -1 ... 3 bar	Process pressure -
Accuracy ± 2 mm	Accuracy 0.1 %
Frequency 80 GHz	Materials, wetted parts PVDF 316L Duplex (1.4462) FEP PE 1.4301 Titanium
Beam angle 8°	
Materials, wetted parts PVDF	
Threaded connection G1½ / G1, 1½ NPT / 1 NPT, R1½ / R1	Seal material EPDM FKM FFKM
Seal material FKM	
Protection rating IP66/IP68 (3 bar), Type 6P	Protection rating IP66/IP67 IP68
	Output 4 ... 20 mA Two-wire: 4 ... 20 mA/HART
	Ambient temperature -40 ... 80 °C