



#### Reliable

Reliable operation of the fermenter through overflow protection

#### Cost effective

Universally applicable and modular sensors across the biogas plant, thus very cost-effective spare parts stocking

#### User friendly

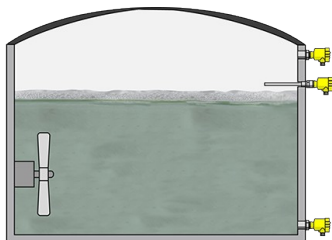
Maintenance-free operation using build up-insensitive technologies

## Slurry tanks in biogas plants

### Point level and pressure measurement in energy production from liquid manure

Semi-liquid manure, or slurry, in biogas plants is often stored in closed, large-volume slurry tanks. Through fermentation, a valuable energy carrier is extracted from the mixture of organic waste and renewable raw materials. Level and pressure are monitored in the tank, as well as in the delivery and removal systems handling the raw materials and waste.

[More details](#)



#### VEGACAP 64

Point level detection with capacitive level switch for full and empty alarm in the slurry tank

- Insensitive to product build up, even under conditions of extreme fouling
- Robust, maintenance-free sensor design
- Adjustment-free setup and commissioning minimizes costs

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#### VEGABAR 82

High-precision pressure measurement in the fermenter

- Different measuring cells allow a targeted application solutions
- High chemical and mechanical resistance thanks to ceramic measuring cell
- Wide array of process fittings ensure easy integration into existing systems

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PRO

**VEGACAP 64**  
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**Measuring range - Distance**

-

**Process temperature**

-50 ... 200 °C

**Process pressure**

-1 ... 64 bar

**Version**

PTFE insulation

**Materials, wetted parts**

PTFE  
 316L  
 Alloy C22 (2.4602)  
 Steel C22.8

**Threaded connection**

≥ G $\frac{3}{4}$ , ≥  $\frac{3}{4}$  NPT

**Flange connection**

≥ DN25, ≥ 1"

**Seal material**

no media contact

**Housing material**

Plastic  
 Aluminium  
 Stainless steel (precision casting)  
 Stainless steel (electropolished)

**Protection rating**

IP66/IP68 (0,2 bar)  
 IP66/IP67  
 IP66/IP68 (1 bar)

PRO

**VEGABAR 82**  
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**Measuring range - Distance**

-

**Measuring range - Pressure**

-1 ... 100 bar

**Process temperature**

-40 ... 150 °C

**Process pressure**

-1 ... 100 bar

**Accuracy**

0.05 %

**Materials, wetted parts**

PVDF  
 316L  
 Alloy C22 (2.4602)  
 PP  
 1.4057  
 1.4410  
 Alloy C276 (2.4819)  
 Duplex (1.4462)  
 Titanium Grade 2 (3.7035)

**Threaded connection**

≥ G $\frac{3}{4}$ , ≥  $\frac{3}{4}$  NPT

**Flange connection**

≥ DN15, ≥  $\frac{1}{2}$ "

**Hygienic fittings**

Clamp ≥ 1" - DIN32676, ISO2852  
 Slotted nut ≥ DN25 - DIN 11851  
 hygienic fitting with tension flange DN32  
 hygienic fitting F40 with compression nut  
 DRD connection ø 65 mm  
 SMS 1145 DN51  
 SMS DN38  
 Swagelok VCR screwing  
 Varivent G125  
 Varivent N50-40  
 for NEUMO BioControl D50 PN16 / 316L

**Seal material**

EPDM  
 FKM  
 FFKM