



### Reliable

Reliable level measurement for trouble-free operation of the raw material stocks

### Cost effective

Complete utilising of the silo without mechanical overload

### User friendly

Easy installation in the container roof with exact alignment for optimum measurement accuracy

## Raw material silo in the ethanol plant

### Level measurement and point level detection in the grain silo

Ethanol is an additive used in gasoline. Through the use of renewable resources, the CO<sub>2</sub> emission of fuels is significantly improved and the consumption of crude oil reduced. In modern ethanol plants, raw materials such as grain, sugar cane or sugar beet are processed into alcohol and ethanol. The resulting by-products and residues are also completely utilized. The different types of grain used for ethanol production are stored in silos more than 20 m high. Reliable silo level measurement is essential to ensure continuous production supply is maintained.

[More details](#)



### VEGAPULS 6X

Level measurement with radar in the grain silo

- Reliable measurement, even with changing media
- Easy mounting and setup thanks to installation from above
- Trustworthy measurement data even during filling

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### VEGAVIB 62

Point level detection with vibrating level switch

- Wear and maintenance-free
- Easy to install and adjustment-free
- Reliable point level detection, even with changing media

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## VEGAPULS 6X

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**Measuring range - Distance**  
120 m

**Process temperature**  
-196 ... 450 °C

**Process pressure**  
-1 ... 160 bar

**Accuracy**  
± 1 mm

**Frequency**  
6 GHz  
26 GHz  
80 GHz

**Beam angle**  
≥ 3°

**Materials, wetted parts**  
PTFE  
PVDF  
316L  
PP  
PEEK

**Threaded connection**  
≥ G¾, ≥ ¾ NPT

**Flange connection**  
≥ DN20, ≥ ¾"

**Hygienic fittings**  
Clamp ≥ 1½" - DIN32676, ISO2852  
Slotted nut ≥ 2", DN50 - DIN 11851  
Varivent ≥ DN25  
hygienic fitting with tension flange DN32  
hygienic fitting F40 with compression nut  
Hygienic screw connections ≥ DN50 tube ø53 -  
DIN11864-1-A  
Hygienic flange connection ≥ DN50 DIN11864-2  
Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-  
3-A  
DRD connection ø 65 mm  
SMS 1145 DN51

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## VEGAVIB 62

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**Process temperature**  
-40 ... 150 °C

**Process pressure**  
-1 ... 6 bar

**Version**  
Detection of solids in water  
Suspension cable

**Materials, wetted parts**  
316L  
FEP  
PUR

**Threaded connection**  
≥ G1, ≥ 1 NPT

**Flange connection**  
≥ DN 32, ≥ 1½"

**Seal material**  
CR, CSM

**Housing material**  
Plastic  
Aluminium  
Stainless steel (precision casting)  
Stainless steel (electropolished)

**Protection rating**  
IP66/IP68 (0,2 bar)  
IP66/IP67  
IP66/IP68 (1 bar)

**Output**  
Relay (DPDT)  
Contactless electronic switch  
Transistor (NPN/PNP)  
Two-wire  
NAMUR