



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 CO₂ 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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PRO

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

PRO

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

VEGA