

Reliable

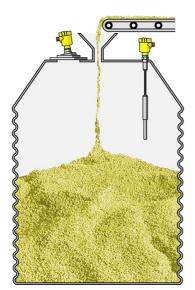
Reliable level measurement for trouble-free operation of the raw material stocks

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

Show Product

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

Show Product



PRO	PRO
VEGAPULS 6X Show Product	VEGAVIB 62 Show Product
Measuring range - Distance 120 m	Process temperature -40 150 °C
Process temperature -196 450 °C	Process pressure -1 6 bar
Process pressure -1 160 bar	Version Detection of solids in water Suspension cable
± 1 mm	Materials, wetted parts 316L FEP PUR Threaded connection ≥ G1, ≥ 1 NPT Flange connection ≥ DN 32, ≥ 1½"
Frequency 6 GHz 26 GHz	
80 GHz	
Beam angle ≥ 3°	
Materials, wetted parts	
PTFE	Seal material
PVDF	CR, CSM
316L	Housing material
PP PEEK	Plastic
FER	Aluminium
Threaded connection	Stainless steel (precision casting) Stainless steel (electropolished)
≥ G¾, ≥ ¾ NPT	
Flange connection	Protection rating
$\geq DN20, \geq 3/4"$	IP66/IP68 (0,2 bar)
	IP66/IP67
Hygenic fittings	IP66/IP68 (1 bar)
Clamp ≥ 11/2" - DIN32676, ISO2852	Output
Slotted nut ≥ 2", DN50 - DIN 11851 Varivent ≥ DN25	
hygienic fitting with tension flange DN32	Relay (DPDT) Contactless electronic switch
hygienic fitting F40 with compression nut	Transistor (NPN/PNP)
Hygienic screw connections ≥ DN50 tube ø53 - DIN11864-1-A	Two-wire NAMUR
Hygienice flange connection ≥ DN50 DIN11864-2	
Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864- 3-A	
DRD connection ø 65 mm	

SMS 1145 DN51

