



Reliable

Reliable operation under all operating conditions

Cost effective

Maintenance-free operation of the facility

User friendly

Simple mounting and setup

Ore storage silo

Level measurement and point level detection in ore storage silos

Mined ore is transported via conveyor systems to large above ground or underground silos and stored there until it is used in production. A reliable level measurement is required to determine the contents of the silos.

[More details](#)



VEGAPULS 6X

Non-contact level measurement with radar in the ore storage silo

- Reliable measurement, unaffected by dust
- Easy alignment of the sensor via integrated swivelling holder and app for smartphone
- High plant availability, because wear and maintenance-free

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VEGACAP 65

Capacitive point level detection for overflow protection in the ore storage silo

- Reliable measurement despite buildup and dust
- Robust sensor construction for long service life
- Simple mounting and Setup

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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

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VEGACAP 65

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Measuring range - Distance
-

Process temperature
-50 ... 200 °C

Process pressure
-1 ... 64 bar

Version
Cable ø 6 mm with screening tube without weight
Cable ø 6 mm with screening tube and gravity weight
Cable ø 6 mm with gravity weight
Cable ø 8 mm with abrasion protection without weight
Cable ø 8 mm with abrasion protection and gravity weight
Cable ø 8 mm with gravity weight
PA cable ø 12 mm with screening tube and gravity weight

Materials, wetted parts
PTFE
316L
PA
PEEK
Steel

Threaded connection
≥ G1, ≥ 1 NPT

Flange connection
≥ DN50, ≥ 2"

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