



#### 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

[Show Product](#)



#### 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

PRO

**VEGAPULS 6X**[Show Product](#)**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

**VEGACAP 65**[Show Product](#)**Measuring range - Distance**

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**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