

Reliable

Consistent measurement even during filling

Cost effective

Efficient use of the entire container capacity

User friendly

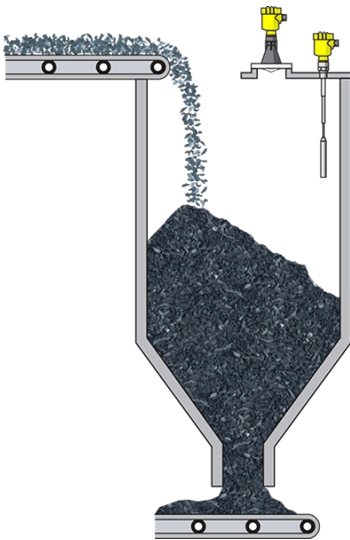
Simple mounting and setup

Coal surge bin I

Level measurement and point level detection in the coal surge bin

In a typical coal power plant, lignite (soft coal) and anthracite (hard coal) are stored temporarily in bins up to 15 meters high. To ensure that the coal belts are continuously loaded without interruption, a robust and reliable level measuring system is required. Additional point level detectors are used to prevent any overfilling of the bins.

[More details](#)



VEGAPULS 6X

Non-contact level measurement with radar in the coal surge bins ensures uninterrupted loading of the coal belts

- Non-contact, maintenance-free measurement
- High measurement certainty despite extreme dust generation
- High operational reliability ensured through noise immunity

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VEGACAP 65

Robust capacitive sensors for point level detection prevent overfilling in the coal bunkers

- Shortenable probes for high flexibility
- Very long service life and low maintenance due to robust design
- Reliable switching point ensured through large sensing weight

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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**

-

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