

**Reliable**

Consistent measurement even during filling

Cost effective

Efficient use of the entire container capacity

User friendly

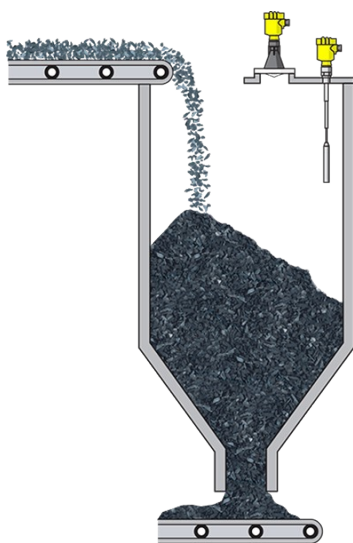
Simple mounting and setup

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	VEGACAP 65 Show Product
	
Measuring range - Distance 120 m	Measuring range - Distance -
Process temperature -196 ... 450 °C	Process temperature -50 ... 200 °C
Process pressure -1 ... 160 bar	Process pressure -1 ... 64 bar
Accuracy ± 1 mm	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
Frequency 6 GHz 26 GHz 80 GHz	Materials, wetted parts PTFE 316L PA PEEK Steel
Beam angle ≥ 3°	Threaded connection ≥ G1, ≥ 1 NPT
Materials, wetted parts PTFE PVDF 316L PP PEEK	Flange connection ≥ DN50, ≥ 2"
Threaded connection ≥ G¾, ≥ ¾ NPT	Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
Flange connection ≥ DN20, ≥ ¾"	Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)
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	Output Relay (DPDT) Contactless electronic switch Transistor (NPN/PNP) Two-wire