



#### Reliable

Consistent measuring results in any weather

#### Cost effective

Simple installation on existing infrastructure

#### User friendly

Maintenance-free operation

## Coal stockpile

### Height measurement of the coal stockpile

After being unloaded from rail cars or ships, the coal is stored in stockpiles. Here, reliable measuring systems that function properly in any kind of weather are essential for level monitoring and belt positioning.

[More details](#)



#### VEGAPULS 6X

The radar sensor detects the height of the coal stockpile and controls the position of the discharge belts

- Non-contact, maintenance-free measurement
- High measurement certainty despite intense dust and noise generation
- Absolute operational reliability in rain and snow

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#### VEGACAP 65

The capacitive cable probe protects the discharge conveyors from damage through material contact

- Shortenable probes enable high flexibility
- Long service life and low maintenance requirements through robust design
- Reliable switching point ensured through large sensing weight

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