

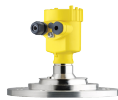


Clinker silo

- Reliable
- Reliable measurement despite high temperatures
- Cost effective
- Optimal stocks enable continuous production
- User friendly
- Maintenance-free operation

Level measurement and point level detection in clinker silos

After the raw meal is burned, the emerging clinker of varying consistency is stored for further processing. The silos are filled and emptied through different openings. Continuous operation of the subsequent production processes is ensured by level measurement and point level detection.



VEGAPULS 69

Level measurement with radar in clinker silos

- Exact measurement right to the bottom of the discharge funnel thanks to small beam angle
- High measurement certainty, unaffected by dust and temperature changes
- Maintenance-free through non-contact measurement

▫ VEGACAP 65

Capacitive point level detection in clinker silos

- Robust construction ensures a long service life
- Reliable measurement, unaffected by buildup
- Cut to length cable probes allow high flexibility





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VEGAPULS 69	VEGACAP 65
Measuring range - Distance 120 m	Process temperature -50 ... 200 °C
Process temperature -40 ... 200 °C	Process pressure -1 ... 64 bar
Process pressure -1 ... 20 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
Accuracy ± 5 mm / ± 0.2"	
Frequency 80 GHz	
Beam angle ≥ 3,5°	
Version with plastic horn antenna ø 80 mm Metal jacketed lens antenna	Materials, wetted parts PTFE 316L PA PEEK Steel
Materials, wetted parts 316L PP PEEK	Threaded connection ≥ G1, ≥ 1 NPT
Threaded connection G1½, 1½ NPT	Flange connection ≥ DN50, ≥ 2"
Flange connection ≥ DN80, ≥ 3"	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
	Ambient temperature -40 ... 80 °C