

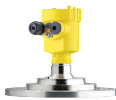


Ore storage silo

- Reliable
- Reliable operation under all operating conditions
- Cost effective
- Maintenance-free operation of the facility
- User friendly
- Simple mounting and setup

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.



VEGAPULS 69

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

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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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