



## Conveyor belt transfer station

### Reliable

Reliable monitoring of silo filling

### Cost effective

Optimal utilization of conveyor belt capacity

### User friendly

Maintenance-free operation

### Level measurement and point level detection at the belt transfer point

The transport of coarse and fine bulk solids within a stone processing facility takes place in most cases via conveyor belts. To achieve an even throughput and compensate for volume fluctuations during transport, belt transfer points are integrated in the conveyor line. The incoming bulk material is briefly stored in a buffer silo to prevent belt overfilling. This is the point where the level and the point level must be monitored.



### VEGAPULS 69

Non-contact level measurement with radar at the belt transfer station

- Highly reliable even in dusty environments
- Maintenance-free non-contact measurement
- Maximum operational reliability due to noise insensitivity



### VEGACAP 65

Overflow protection with capacitive point level detection at the belt transfer station

- Reliable measuring results, unaffected by buildup
- Dependable switching point ensured by large gravity weight
- Long service life thanks to robust, cut to length cable probe





VEGAPULS 69	VEGACAP 65
<b>Measuring range - Distance</b> 120 m	<b>Process temperature</b> -50 ... 200 °C
<b>Process temperature</b> -40 ... 200 °C	<b>Process pressure</b> -1 ... 64 bar
<b>Process pressure</b> -1 ... 20 bar	<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>Accuracy</b> ± 5 mm / ± 0.2"	
<b>Version</b> with plastic horn antenna ø 80 mm Metal jacketed lens antenna	
<b>Materials, wetted parts</b> 316L PP PEEK	
<b>Threaded connection</b> G1½, 1½ NPT	<b>Threaded connection</b> ≥ G1, ≥ 1 NPT
<b>Flange connection</b> ≥ DN80, ≥ 3"	<b>Flange connection</b> ≥ DN50, ≥ 2"
<b>Seal material</b> EPDM FKM	<b>Housing material</b> Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
<b>Housing material</b> Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)	
	<b>Protection rating</b> IP 66/IP 68 (0.2 bar) IP 66/IP 67 IP 66/IP 68 (1 bar)
	<b>Output</b> Relay (DPDT) Contactless electronic switch Transistor (NPN/PNP) Two-wire
	<b>Ambient temperature</b> -40 ... 80 °C