



## Point level | Vibration | Bulk solids



### Area of application

The point level sensors of the VEGAVIB series are used as overfill protection and as empty detector in silos and bunkers containing bulk solids. Typical applications include materials such as plastic granules, pellets and non-adhesive media. The sensors are also suitable for safety-related applications up to SIL2.

### Measuring principle

The rod element of VEGAVIB is made to vibrate by a piezo drive. If this vibrating rod comes in contact with the medium, the vibration amplitude is damped. The electronics responds by triggering a switching signal.

### Advantages

The sensors are easy to clean and therefore ideal for use in food and pharmaceutical products. Mounting position and grain size have no effect on their functional reliability. The sensors are easy to install and can be set up and commissioned without medium.



	VEGAIB S61	VEGAIB 61/63	VEGAIB 62
			
Application	Granuled and coarse-grained bulk solids	Granuled and coarse-grained bulk solids	Granuled and coarse-grained bulk solids (with suspension cable up to 80 m)
Version	Compact version or with tube extension up to 1.5 m	VEGAIB 61: Compact version  VEGAIB 63: Tube extension up to 6 m	Suspension cable up to 80 m
Measuring range	Bulk solids from 100 g/l	Bulk solids from 20 g/l	Bulk solids from 20 g/l
Material	316L	316L, Carbocer coating	316L and PUR or FEP, Carbocer coating
Process fitting	Thread from G1, 1 NPT	Thread from G1, 1 NPT, flanges from DN 32, 1½", hygienic fittings	Thread from G1, 1 NPT, flanges from DN 32, 1½", hygienic fittings
Process temperature	-50 ... +250 °C	-50 ... +250 °C	-40 ... +150 °C
Process pressure	-1 ... +16 bar (-100 ... +1600 kPa)	-1 ... +16 bar (-100 ... +1600 kPa)	-1 ... +6 bar (-100 ... +600 kPa)
Signal output	Relay, transistor output	Relay, transistor, two-wire, NAMUR output, contactless electronic switch	Relay, transistor, two-wire, NAMUR output, contactless electronic switch
Approvals	ATEX	ATEX, IEC, FM, CSA, EAC (GOST), UKR Sepro, SIL2, KOSHA, NEPSI, INMETRO	ATEX, IEC, FM, CSA, EAC (GOST), UKR Sepro, SIL2, KOSHA, NEPSI, INMETRO
Benefit	<ul style="list-style-type: none"> <li>Minimal time and cost expenditure thanks to simple setup without medium</li> <li>Reliable function through medium-independent switching point</li> <li>Minimal costs for maintenance and servicing</li> </ul>		

Controllers see page 64–69