



## Storage tanks for highly toxic liquids

### Reliable

Redundant measurement for maximum security

### Cost effective

No additional process fittings on the tank necessary

### User friendly

Maintenance-free and reliable in operation

### Level measurement and point level detection in highly toxic media

For extremely toxic substances such as phosgene, absolute control over the process is a necessity. In industrial applications, these products are only used in hermetically closed circuits. To minimize the inherent risks, independent protection devices form an integral part of the tank equipment. Moreover, it is important to keep the number of tank openings as small as possible. An external level measuring system that includes point level detection is ideal for such situations.



#### SOLITRAC 31

Radiation-based sensor for continuous level measurement in storage tanks for highly toxic substances

- Maximum safety and process integrity, regardless of media properties
- No container opening required, the measurement is carried out on the outside of the tank
- Maintenance-free operation, no wetted parts



#### MINITRAC 31

Radiation-based level detection for overflow or dry run protection in storage tanks for highly toxic substances

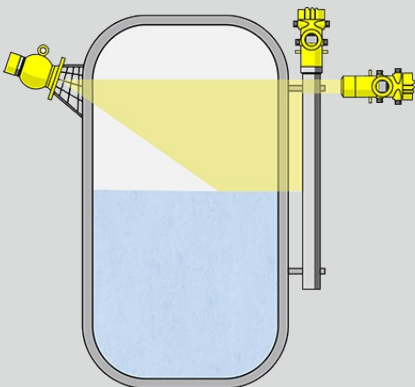
- Reliable monitoring of the minimum or maximum level, independent of media properties
- No container opening required, the measurement is carried out from the outside through the container wall
- Maintenance-free operation, no wetted parts



#### VEGASOURCE 31

The source holder is used to hold and secure the radioactive source

- Small footprint and simple installation
- Operational reliability through pneumatic opening and closing of the source container
- Trustworthy shielding allows use without control area





SOLITRAC 31	MINITRAC 31	VEGASOURCE 31
Measuring range - Distance 3 m	Measuring range - Distance -	Ambient temperature -20 ... 80 °C
Process temperature -	Process temperature -40 ... 60 °C	
Process pressure -	Process pressure -	
Accuracy ± 0.5 %	Accuracy 0.1 %	
Materials, wetted parts No wetted material	Materials, wetted parts No wetted material	
Seal material no media contact	Seal material no media contact	
Housing material Aluminium Stainless steel (precision casting)	Housing material Aluminium Stainless steel (precision casting)	
Protection rating IP 66/IP 67	Protection rating IP 66/IP 67	
Output Profibus PA Foundation Fieldbus 4 ... 20 mA/HART - four-wire	Output Profibus PA Foundation Fieldbus 4 ... 20 mA/HART - four-wire	
Ambient temperature -40 ... 60 °C	Ambient temperature -40 ... 60 °C	