

Reliable

Reliable level measurement ensures smooth operation

Cost effective

Large storage reserves available through optimal utilization of tank volume

User friendly

Maintenance-free through non-contact measuring method



Molten salt storage in a thermal solar plant

Level measurement in the molten salt storage tank

The important criterion for the location a thermal solar plant is gaining the optimal amount of sunlight energy available at that site over the year. Molten salt is used to store this thermal energy produced on the days when there is abundant sunshine, this enables the production of electricity even on days with little or no direct sunlight via a heat exchange process. This molten salt is usually stored in two large vessels. One vessel contains salt at a lower temperature (approx. 300° C), the other contains salt at a higher temperature (approx. 400° C). Accurate level measurement is essential to monitor the system capacity.

More details



VEGAPULS 62

Non-contact level measurement with radar in a molten salt storage tank.

- High measuring precision, independent of product properties
- Reliable measurement for extremely high temperature ranges
- Maintenance free due to contactless measurement

Show Product



PRO	
	VEGAPULS 62
Show Product	
Measuring ran 35 m	nge - Distance
Process temp -196 450 °C	erature
Process press	sure
Accuracy ± 2 mm	
Frequency 26 GHz	
Beam angle ≥ 3°	
Version	
for separate horn antenna	
with 1/2" standp	pe na ø 40 mm
with horn anten	na ø 48 mm
with horn anten	na ø 75 mm
with horn anten with parabolic a	na ø 95 mm antenna ø 245 mm
Materials, wet	ted parts
316L	
Alloy C22 (2.4602)	
Alloy 400 (2.4360)	
Threaded connection G1½, 1½ NPT	
Flange connection ≥ DN50. ≥ 2"	

