



Reliable

Reliable level measurement ensures smooth operation

Cost effective

Large storage reserves available through optimal utilization of tank volume

User friendly

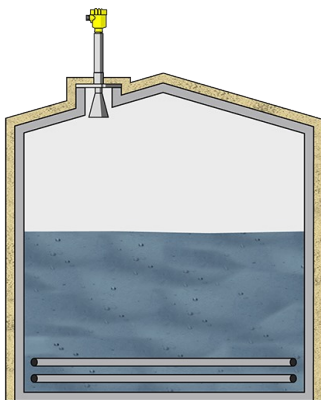
Maintenance-free through non-contact measuring method

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

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Measuring range - Distance

35 m

Process temperature

-196 ... 450 °C

Process pressure

-1 ... 160 bar

Accuracy

± 2 mm

Frequency

26 GHz

Beam angle

≥ 3°

Version

for separate horn antenna
 with ½" standpipe
 with horn antenna ø 40 mm
 with horn antenna ø 48 mm
 with horn antenna ø 75 mm
 with horn antenna ø 95 mm
 with parabolic antenna ø 245 mm

Materials, wetted parts

316L
 Alloy C22 (2.4602)
 1.4848
 Alloy 400 (2.4360)

Threaded connection

G1½, 1½ NPT

Flange connection

≥ DN50, ≥ 2"