



#### Reliable

Reliable level measurement ensures smooth operation

#### Cost effective

Large storage reserves available through optimal utilization of tank volume

#### User friendly

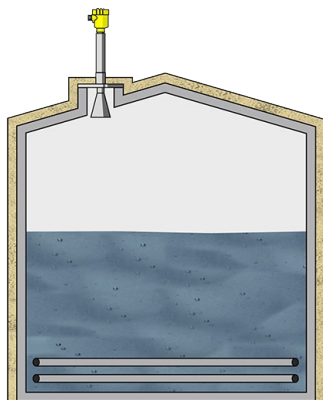
Maintenance-free through non-contact measuring method

## 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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PRO

**VEGAPULS 62**  
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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"