



Molten salt storage in a thermal solar plant

Reliable

Reliable measurement independent of the process conditions

Cost effective

Optimal plant operation

User friendly

Simple mounting and setup

Level measurement in the molten salt storage tank

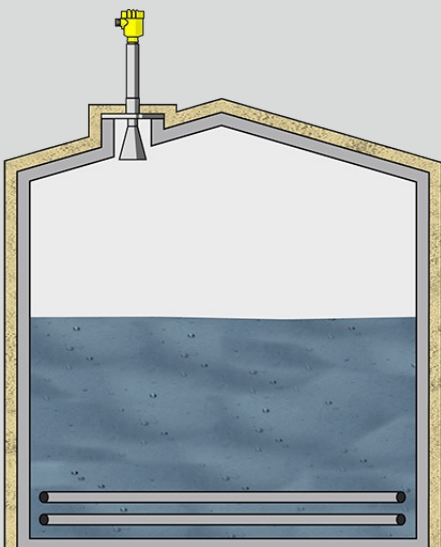
The important criterion for the location a thermal solar plant is gaining the optimal amount of sunlight energy available at that site over the year. Molten salt is used to store this thermal energy produced on the days when there is abundant sunshine, this enables the production of electricity even 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.



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





VEGAPULS 62

量程 - 距离

35 m

过程温度

-196 ... 450 °C

过程压力

-1 ... 160 bar

测量精度

± 2 mm

型式

用于分离喇叭天线

with ½" standpipe

带喇叭天线 ø 40 mm

带喇叭天线 ø 48 mm

带喇叭天线 ø 75 mm

带喇叭天线 ø 95 mm

带碟形天线 ø245mm

接液材质

316L

镍基热强合金 C22

1.4848

Alloy 400 (2.4360)

钽

螺纹连接

G1½, 1½ NPT

法兰连接

≥ DN50, ≥ 2"

密封材料

FKM

FFKM

graphit and ceramic

外壳材料

塑料

铝Aluminium

不锈钢, 精密铸件

不锈钢, 经电解抛光