



Reliable

Reliable measuring results even at high process temperatures

Cost effective

Accurate charging of the lime kiln

User friendly

Maintenance-free operation

Lime kiln

Level measurement in the lime kiln

A lime kiln is used to produce quicklime through the calcination of limestone. Here the furnace is filled from the top and the calcined limestone (quicklime) is collected at the bottom of the furnace. Accurate level measurement ensures optimal charging and hence efficient operation of the furnace.

[More details](#)



VEGAPULS 6X

Non-contact level measurement with radar in the lime kiln

- Reliable measuring results ensured, even at high temperatures
- No additional cooling system necessary
- Continuous operation of the plant ensured, because wear and maintenance-free

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Measuring range - Distance

120 m

Process temperature

-196 ... 450 °C

Process pressure

-1 ... 160 bar

Accuracy

± 1 mm

Frequency

6 GHz

26 GHz

80 GHz

Beam angle

≥ 3°

Materials, wetted parts

PTFE

PVDF

316L

PP

PEEK

Threaded connection

≥ G¾, ≥ ¾ NPT

Flange connection

≥ DN20, ≥ ¾"

Hygienic fittings

Clamp ≥ 1½" - DIN32676, ISO2852

Slotted nut ≥ 2", DN50 - DIN 11851

Varivent ≥ DN25

hygienic fitting with tension flange DN32

hygienic fitting F40 with compression nut

Hygienic screw connections ≥ DN50 tube ø53 -

DIN11864-1-A

Hygienic flange connection ≥ DN50 DIN11864-2

Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-

3-A

DRD connection ø 65 mm

SMS 1145 DN51