



Dewatering wells in open cast mining

Reliable

Maximum measurement reliability

Cost effective

Long-term availability of the measuring sensor

User friendly

Maintenance-free, thanks to self-cleaning effect of the flush-mounted diaphragm

Level measurement in groundwater control in dewatering wells

In open cast mining, the groundwater levels must be continuously reduced to protect the mining area from flooding and the excavation walls from instability due to water pressure. A large number of dewatering wells with submersible pumps are kept in operation for this purpose. A continuous water flow prevents the pump shaft from blocking due to the effects of hardening clay/iron oxide deposits. To regulate the pump output, precise level measurement is required in each of the up to 750 m deep wells.

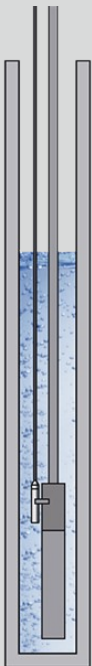
[More details](#)

▫ VEGAWELL 52

Level measurement via submersible pressure transmitter for regulation of pump Output

- Reliable, maintenance-free measurement
- Measurement reduces pump operating costs through output control
- Abrasion resistant CERTEC® ceramic measuring cell

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VEGAWELL 52
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Measuring range - Pressure

0 ... 60 bar

Process temperature

-20 ... 80 °C

Process pressure

-

Accuracy

0.1 %

Materials, wetted parts

PVDF

316L

Duplex (1.4462)

FEP

PE

1.4301

Titanium

Seal material

EPDM

FKM

FFKM

Protection rating

IP66/IP67

IP68

Output

4 ... 20 mA

4 ... 20 mA/HART - two-wire

Ambient temperature

-40 ... 80 °C