



Reliable measurement

Accurate data under all environmental conditions

Cost effective

Maintenance-free operation

User friendly

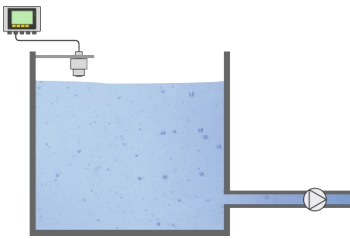
Simple mounting and setup

Seawater extraction

Level measurement for seawater extraction

The seawater is fed into large buffer basins for further processing, sometimes these can be several hundred metres from the coast. Level measurement in the basins controls the extraction pumps and thus enables reliable operation of the plant.

[More details](#)



VEGAPULS C 21

Radar sensor for level measurement in open basins

- Exact measuring results unaffected by ambient conditions
- High plant availability thanks to wear and maintenance free measurement
- Secure wireless operation via Bluetooth with smartphone, tablet or PC

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VEGAMET 841

Controller for measured value processing and display

- Universal controller for pump control and measured value display
- Analogue outputs for connection to process control systems
- Quick setup via simple menu navigation and application wizards

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Measuring range - Distance
15 m

Process temperature
-40 ... 80 °C

Process pressure
-1 ... 3 bar

Accuracy
± 2 mm

Frequency
80 GHz

Beam angle
8°

Materials, wetted parts
PVDF

Threaded connection
G1½ / G1, 1½ NPT / 1 NPT, R1½ / R1

Seal material
FKM

Protection rating
IP66/IP68 (3 bar), Type 6P

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Protection rating
IP66/IP67, Type 4X

Input
1 x 4 ... 20 mA sensor input

Output
1 x 0/4 ... 20 mA current output
3 x operating relay
1x failure relay (instead of operating relay)

Ambient temperature
-40 ... 60 °C