



Reliable

Reliable measurement of the process water volume

Cost effective

Maintenance-free measurement with high accuracy

User friendly

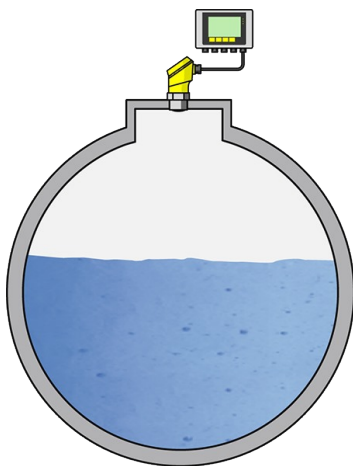
Simple installation and setup

Process water tank

Level measurement in the process water tank

The process water is collected in tanks or open basins. Pressure pumps deliver the water for cleaning and rinsing purposes to various locations in the wastewater treatment plant. To ensure an optimal supply of water, the level in the process water tank is measured continuously.

[More details](#)



VEGAPULS 11

Continuous level measurement with radar in the process water tank

- Low-cost radar sensor for simple measuring tasks
- Maintenance-free operation through non-contact 80 GHz radar technology
- Secure, user-friendly wireless operation via Bluetooth with smartphone, tablet or PC

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VEGAMET 841

Controller for powering the sensor, processing and displaying the measured values

- Clear, easy-to-read, user programmable display
- Robust housing designed for the harsh conditions in the field
- Universal controller for water and wastewater applications

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**Measuring range - Distance**

8 m

Process temperature

-40 ... 60 °C

Process pressure

-1 ... 3 bar

Accuracy

± 5 mm / ± 0.2"

Frequency

80 GHz

Beam angle

8°

Materials, wetted parts

PVDF

Threaded connection

G1½, 1½ NPT, R1½

Seal material

FKM

Housing material

Plastic

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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