



Reliable

Reliable measuring results in all weather conditions

Cost effective

Easy to install on existing infrastructure

User friendly

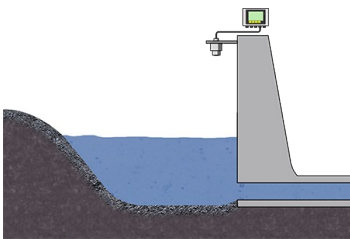
Maintenance-free operation

Stormwater retention basin

Level measurement in a stormwater retention basin

In case of heavy precipitation, excess rainwater is temporarily stored in open, artificial reservoirs. The water reservoir buffers the drainage and the water is pre-cleaned through natural settlement. Continuous level data are the basis for calculating the flow through the sewer system and thus protecting against flooding.

[More details](#)



VEGAPULS C 21

Non-contact level measurement with radar in a rainwater retention pond

- Exact measuring results unaffected by fog and wind
- High-precision measurement as protection against flooding
- Secure, user-friendly wireless operation via Bluetooth with smartphone, tablet or PC

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VEGAMET 841

Level controller, display, data processing and sensor power supply

- 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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VEGAMET 841
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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

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