



#### Reliable

Reliable measuring results in all weather conditions

#### Cost effective

Easy to install on existing infrastructure

#### User friendly

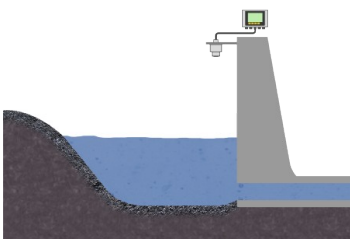
Maintenance-free operation

## 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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**VEGAPULS C 21**[Show Product](#)**VEGAMET 841**[Show Product](#)**Measuring range - Distance**

20 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