



Reliable

High operational reliability even when subjected to inundation

Cost effective

Reliable measurement and maintenance-free operation

User friendly

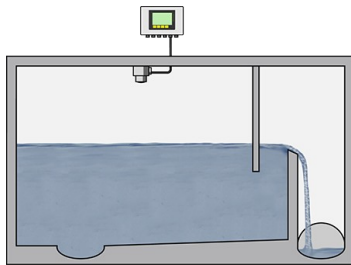
Simple setup and adjustment

Combined Sewer Overflow (CSO)

Level measurement in the stormwater overflow chamber

Large Combined Sewer Overflows (CSOs) protect the wastewater treatment plant from a capacity overload during heavy rain. The precipitation is temporarily stored and then delivered to the treatment plant at a reduced rate. If the stormwater basin cannot hold the accumulating quantities of water, part of it is discharged. Due to legal requirements, such operational events and discharged water quantities must be measured and documented. A level sensor provides the required measurement data.

[More details](#)



VEGAPULS C 22

Event duration and storm water retention monitoring using radar level sensor

- Reliable overflow detection and measuring results, independent of operating conditions
- Radar based sensor enables accurate monitoring of level and discharge quantity
- Level monitoring without brackets which can cause problems with ragging and fouling
- Secure, user-friendly wireless operation via Bluetooth with smartphone, tablet or PC

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VEGAMET 861

Controller and display instrument for level and flow volume computation

- Clearly arranged display for indication of retained and discharged quantities
- Highly accurate calculation of the discharge volume
- Large measurement data memory with micro SD card

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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, 1½ NPT, R1½

Seal material

FKM

Housing material

Housing material

Protection rating

IP66/IP67, Type 4X

Input1 x 4 ... 20 mA/HART sensor input
2x digital input**Output**1 x 0/4 ... 20 mA current output
1x failure relay (instead of operating relay)
4x operating relay**Ambient temperature**

-40 ... 60 °C

Measured value memoryInternally
SD card