



Reliable

High measurement accuracy, independent of temperature influence

Cost effective

Low maintenance requirements

User friendly

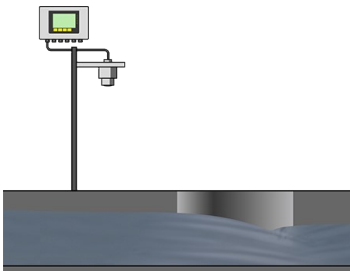
Flow-proportional output signal

Inlet channel

Flow-rate measurement in open channels

Sewage and rainwater are often transported to the treatment plant in open collection channels or flumes. The flow rate is measured at various points in these channels. Measurement of the water flow at the inlet and outlet of the treatment plant is the basis for the calculation of tariffs and operating costs.

[More details](#)



VEGAPULS C 21

Flow measurement of the wastewater inlet with radar in an open channel

- High plant availability thanks to wear and maintenance free measurement
- Exact measuring results unaffected by ambient conditions.
- Sensor-integrated flow characteristic curves make it also possible to have a direct flow-proportional output signal
- Secure wireless operation through Bluetooth with smartphone, tablet or PC

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VEGAMET 861

Flow computation, control and display for open channel flow measurement structures

- Highly accurate calculation of the flow rate
- Clear, simple display of flow rate and total flow volume
- Fast setup and commissioning thanks to simple menu navigation and application wizards

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VEGAPULS C 21[Show Product](#)**VEGAMET 861**[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/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 memory

Internally

SD card