



#### Reliable

High measurement accuracy, independent of temperature influence

#### Cost effective

Low maintenance requirements

#### User friendly

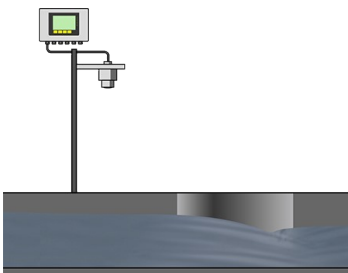
Flow-proportional output signal

## 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](#)**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

**VEGAMET 861**[Show Product](#)**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