

## Product description

The onlineH<sub>2</sub>S is used for the quantitative determination of the released H<sub>2</sub>S in biological filters, pump sumps, buildings for waste water, buildings for livestock, digestion towers and biogas plants.

The sampling can be realized at one, two or more selected measuring points. It serves as the basis for water treatment and for control of maximum allowed values.

The onlineH<sub>2</sub>S enables an increase of efficiency of treatment methods through the quantitative measurement of the H<sub>2</sub>S value in front and after filter plants respectively through measuring the individual process steps of biogas and sewage treatment plants.

The gas sample is drawn automatically. The gas is leading an electrochemical sensor that detects very sensitive H<sub>2</sub>S. By automatic zero-alignment and periodic rinsing steps, the system is very robust and low maintenance.

Even special industrial waste water (e.g., oxygen-free or contaminated with hydrocarbons or ammonia) can be monitored fast and reproducibly.

The measuring range is varied over a wide area and to adapt to the application. The measurement results can be transferred into the management system via digital (alarm) and analog outputs.



OnlineH<sub>2</sub>S as portable appliance

## Applications

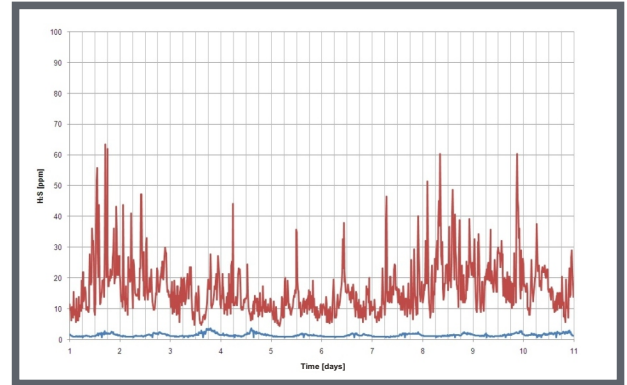
- Online determination of the H<sub>2</sub>S concentration in the sewer as basis for appropriate regulations (e.g. pump sump, gravity pipeline, collecting tank)
- Monitoring of biological filters
- Monitoring of landfill leachate
- Fields of applications:
  - Municipal association for sewage treatment
  - Recycling
  - Chemical plants
  - Refineries



Wastewater collecting tank

## Advantages

- Portable or fixed device
- Online determination of the H<sub>2</sub>S-concentration at one, two or more selected measuring points
- Active sampling of the gas up to a distance of 100 m
- Very high sensitivity (below 1 ppm) with high precision
- Selective electrochemical sensors
- Integrated rinsing steps and water trap with safety sensor system
- Automatic zero-point-compensation
- Optional with battery for field measuring
- Data acquisition directly in the data logger of the analyzer over several months
- Output value of H<sub>2</sub>S as a 4-20mA signal



Determination of H<sub>2</sub>S at two sewage collecting tanks before and after a biofilter

## Specifications

Sample transfer over an up to 100 m long distance

Typical measuring time: 5 min (depending on sample)

Measuring range: 0.1 - 2000 ppm

Solution: 0.01 ppm; output linear

Gas supply: internal pump

Power supply: 220 - 230 V or 12 V DC

Power input: 5 W in measuring mode

Protection type: IP65

Weight of the device: 1.4 kg

Dimensions (Ø x H): 80 x 310 mm

We are here for you



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