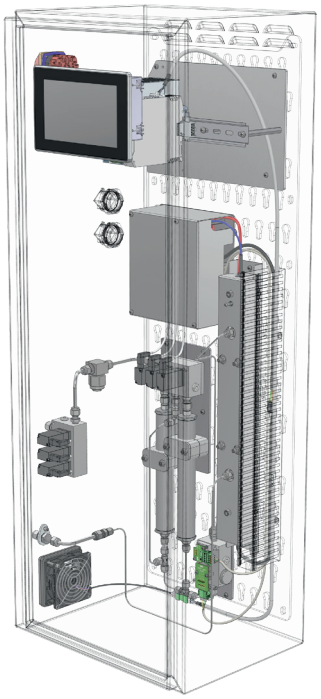
Biogas industry

Chemical industry

Filter controlling industry

Waste treatment industry



SIRA

SIRA UV VOC

Measurement of VOCs

The SIRA UV VOC is a stationary indoor analyzer designed for real-time quantification of volatile organic compounds (VOCs) using UV spectroscopy.

VOCs are present in a wide range of process gases, including biogas, natural gas, exhaust streams, and waste treatment gases. Due to stringent emission regulations, potential health hazards, and the risk of adverse effects on downstream processes, efficient VOC removal is critical. This is typically achieved through adsorption on activated carbon, which requires continuous monitoring to detect filter breakthrough and ensure process integrity.

The SIRA UV VOC provides a highly versatile and reliable solution for activated carbon filter monitoring, featuring a customizable configuration and a virtually maintenance-free design suitable for industrial applications.

Benefits

- High measurement frequency
- Low-maintenance design
- Easy to integrate
- Durable components

Technical data

Monitored substances	Volatile organic compounds (VOCs)
Reproducibility	0,3 mg/m³ or 2 % of the measured value
Analysing time	< 3 min.

Additional measurement ranges available on request.

Operating conditions

Operating temperature	0–40 °C
Atmospheric pressure	860–1160 mbar
Relative humidity	95 %, non-condensing
AC mains voltage	115–240 V

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