

# QUALVISTA COMPACT BIOGAS MONITOR

Qualvista Compact Biogas Monitor is a robust solution for continuous biogas monitoring. It provides cost-effective monitoring for the biogas industry: biomethane and biogas plants, landfill sites and wastewater treatment facilities.

The Compact Biogas Monitor measures 4 gas components:  $H_2S$ ,  $O_2$ ,  $CO_2$ ,  $CH_4$ . It provides very high accuracy for each of the monitored gases and a cloud-based service platform for data storage, reporting and analytics.



## Robust construction and easy operation

The Qualvista Compact Biogas Monitor is based on the electrochemical principle and NDIR measurement technology, both of which are cost effective and accurate. The sensors used provide very high levels of detection for each of the monitored gases.

The unit is housed in a robust polycarbonate enclosure, which has a wide temperature range, and it is protected at IP65, so it may be installed also outdoors.

The monitor provides reporting, configuration and maintenance both via its cloud-based interface and a touch-screen. Measurement data can optionally be integrated to the customer's production or quality IT system via Ethernet connection or optional MODbus TCP/IP



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## High accuracy

The Qualvista Compact Biogas Monitor provides high accuracy.

COMPOUND	RANGE	REPEATABILITY
H <sub>2</sub> S	0–500/2000 ppm	≤ ± 0.4%
O <sub>2</sub>	0–22 vol.%	≤ ± 0.4%
CO <sub>2</sub>	0–100 vol.%	≤ ± 0.6%
CH <sub>4</sub>	0–100 vol.%	≤ ± 0.6%

## Compact Biogas Monitor Key benefits

Highly accurate, continuous monitoring of biogas

Easy to operate, 24/7-365 fully automated measurements and system calibration

Cloud-based visualization of results, accessible from anywhere, anytime

Robust and low-maintenance operation with an extensive 1-year warranty and optional full maintenance service

Developed and produced in Finland

## Cloud-based service platform

The Qualvista Compact Biogas Monitor has a cloud-based service platform for data storage, reporting and analytics. The reporting tool gives the user a comprehensive, customizable view of measurement information on hourly, daily, weekly, or monthly basis.

The information can be reported in any required unit(s), for example mg/m<sup>3</sup>, ppm or ppb. The online reporting information can be accessed anywhere with standard PC and mobile devices. The data can also be downloaded.



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[www.qualvista.com](http://www.qualvista.com)

[info@qualvista.com](mailto:info@qualvista.com)