



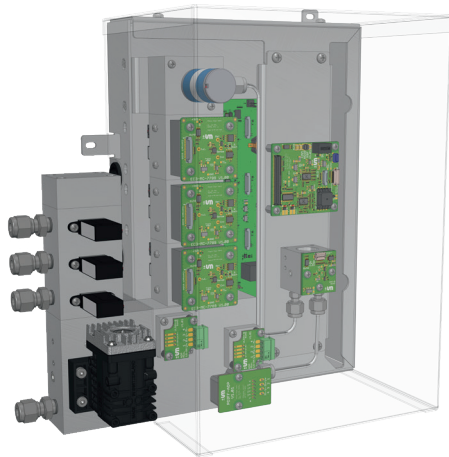
OEM integration in BAKWs or biogas upgrading



Active carbon monitoring



Base module for biogas analyzers



Compact Analyzer Module

# CAM

## Freely configurable sensor system for biogas measurement

The CAM – Compact Analyzer Module is a versatile solution for reliable biogas analysis. It can monitor up to 10 sampling points and comes with an integrated pump for pressure-free applications. Optional features include overpressure protection and flow measurement.

For gas detection, the module supports up to three EC sensors, which can be operated in pulsed mode to protect against overload, as well as one O<sub>2</sub> sensor. The main gas components are measured using advanced infrared technology – either cycled for CH<sub>4</sub> and CO<sub>2</sub>, or continuously for CH<sub>4</sub>, C<sub>2</sub>+ and CO<sub>2</sub>. To extend functionality, a thermal conductivity detector (TCD) can be integrated for H<sub>2</sub> measurement.

### Benefits

- Compact, robust design
- High-quality, durable design
- Easy to integrate
- Easy-to-maintain design
- Flexible service concepts possible
- High degree of customisation
- Expandable with various safety features

### Technical data

Sensors	Measuring range	Reproducibility
CH <sub>4</sub>	0–100 Vol.-%	0.05 Vol.-%
CO <sub>2</sub>	0–100 Vol.-%	0.05 Vol.-%
H <sub>2</sub> S	0–100, 0–2000, 0–5000, 0–10000 ppm	1 ppm, 20 ppm, 50 ppm, 100 ppm
H <sub>2</sub> S pulse	50–1000, 500–20000, 1000–50000, 2000–50000 ppm	5 ppm, 50 ppm, 100 ppm, 200 ppm
O <sub>2</sub>	0–25 Vol.-%	0.1 Vol.-%
H <sub>2</sub>	0–1000 ppm, 0–100 Vol.-%	5 ppm, 0.5 Vol.-%

### Operating conditions

Operating temperature	15–50 °C
Atmospheric pressure	860–1160 mbar
Relative humidity	95 %, non-condensing
Supply voltage	24 V DC

