

## ► GFM 406

### Portable biogas analyzer



### Technical specifications

- Simultaneous measurement of CH<sub>4</sub>, CO<sub>2</sub>, O<sub>2</sub>, CO, H<sub>2</sub> & H<sub>2</sub>S
- Temperature and differential pressure measurement
- **Flow rate:** 0.3 l/min.
- **Protection class:** IP65
- **Dimensions:** 200 x 100 x 60 mm
- **Weight:** 2 kg
- **Autonomy:** 8 to 12h autonomy
- **Certification:** ATEX EEx ib IIB T1

### ► Technical details

Gas	Sensor	Range	Resolution	Precision
CH <sub>4</sub>	IR	0-100 %	0.1 %	± 3.0 %
CO <sub>2</sub>	IR	0-100 %	0.1 %	± 3.0 %
O <sub>2</sub>	ECD	0-25 %	0.1 %	± 3.0 %
CO	ECD	0-2000 ppm	10 ppm	± 20 ppm
H <sub>2</sub> S	ECD	0-2000 ppm	10 ppm	± 100 ppm
H <sub>2</sub>	ECD	0-1000 ppm	10 ppm	± 50 ppm
Differential pressure		± 30 mBar	0.01 mBar	± 0.5 mBar
Temperature		-10-100°C	0.5°C	± 0.2°C

### Product description

The **GFM 406** is a portable, ATEX-certified biogas analyzer for rapid, accurate measurement of gas and pressure. This analyzer simultaneously measures carbon dioxide (CO<sub>2</sub>) and methane (CH<sub>4</sub>) in infrared, as well as oxygen (O<sub>2</sub>), carbon monoxide (CO), hydrogen (H<sub>2</sub>) and hydrogen sulfide (H<sub>2</sub>S) in electrochemical.

It is particularly popular for research or inspection in various biogas applications such as anaerobic digestion, biomethane quality control, landfill and waste treatment site monitoring, methanization and fermentation sites, wastewater treatment, etc.

The **GFM 406** portable biogas analyzer is a fast-response gas measuring instrument featuring an internal sampling pump, with a sampling speed of 0.3 l/min guaranteeing fast response times. Lightweight, small in size and easy to carry, it offers up to 12 hours' autonomy and features downloadable data logging via USB port.

In addition to simultaneous monitoring of CH<sub>4</sub>, CO<sub>2</sub>, O<sub>2</sub>, CO, H<sub>2</sub> & H<sub>2</sub>S, the **GFM 406** also measures temperature and differential pressure. Gas velocity in a pipe can be captured using an optional vane anemometer. The instrument is delivered complete with charger and cables in a transport case.