BIOGAS 5000

GA5000

GEM5000

APPLICATION

- Anaerobic Digestion
  - Large and small scale agricultural
  - Sewage / waste water treatment
  - Mixed food waste
  - Research
- Biogas process monitoring
- Gas flare

- Landfill perimeter monitoring
- Landfill gas field management
- Waste to energy
- Site investigation

- Landfill gas field management and optimisation
- Landfill gas energy calculation
- Gas flare / engine output estimation

KEY SHARED FEATURES

- Measures up to 6 gases including % CH4, CO2 and O2
- Optional extra gases (ppm): H2; NH3; H2S (6 x options) & CO
- Optional gas to aid identifying underground fired, CO (ppm with H2 compensated up to 1%)
- CH4 and CO2 accuracy +/-0.5% after calibration
- Gas data logging function
- Maximum and minimum gases recorded for CH4, CO2 & O2
- ATEX, IECEx, MCERTS, CSA approved
- UKAS calibration (ISO17025) certified
- Basic free download software available (readings only)
- Optional accessory ATEX certified anemometer
- Optional accessory ATEX certified temperature probe
- Optional Gas Analyser Manager (GAM) software for full data download and analyser set up
- Optional GPS
- Remote upgrade possible on analyser firmware
- Bluetooth functionality
- Modular upgrades available at time of service
- On board help function, new user mode and expert mode
- Multilingual menu: English, French, German, Spanish, Portuguese, Italian, Chinese
- Warranty: 3 years free

KEY DIFFERENCES

- Software optimised for biogas and AD monitoring with simple user interface
- Memory:
  - 10 IDs
  - 500 readings
- Records static and differential pressure
- Optional anemometer or pitot tube for high flow in m3/h
- System pressure measurement

- Software optimised for Landfill gas monitoring to conform with environmental standards
- Memory:
  - 2,000 IDs
  - 4,000 readings
  - 2,000 events
- Barometric pressure and relative pressure
- Optional high flow using an anemometer 0-40m/s
- Optional internal low flow 0-20 l/h
- Flow logging using internal flow option
- Personal log-in that can be used on the analyser and with GAM

- Software optimised for gas field management and optimisation
- Memory:
  - 2,000 IDs
  - 4,000 readings
  - 2,000 events
- Aids balancing of gas field by:
  - Recording static and differential pressure via pitot tube or orifice plate
  - Recording temperature via manual entry or ATEX temperature probe
  - Analyser then calculates calorific value (kW or BTU)
- Optional high flow measurement with pitot tube in m3/h
- Optional high flow measurement using an anemometer 0-40 m/s
- Personal log-in that can be used on the analyser and with GAM

Geotech