



Gas Extraction
Landfill

Gas Flow

Power Generation

H₂ Compensated CO Gas Extraction Monitor

The GEM 2000 Plus is designed to monitor landfill gas extraction systems. Utilising new technology the GEM 2000 Plus gives increased reliability for carbon Monoxide (CO) readings. It retains the features of the field proven GEM 2000

Benefits

- Allows Balancing of Gas Extraction Site
- Maximise Power Generation from Site
- Simultaneous Display of all Gases
- Storage of Changes in Set Up of Gas Field
- Field Proven
- Standardises Monitoring Routines
- Easy Transfer of Data

Features

- ATEX Certified
- H₂ Compensated CO
- Calculates flow (m³/h) and Calorific value (KW or BTU)
- Technician Log
- Optional Event Log
- Two Instruments in One (GA and GEM)
- Measures Static and Differential Pressure



Applications

- Gas Extraction Fields
- Flare Monitoring
- Landfill Sites

The GEM2000 Plus



GAMS Software

GAMS (Gas Analyser Management Software) enables users to maximise the operation of their gas analyser. It enables both direct and remote communication with the unit. It features a simple upload and download facility and is fully compatible with the latest Microsoft™ operating Systems.

Product Specifications

Gases Measured CH₄, CO₂, by dual wavelength infrared cell with reference channel. O₂ by internal electrochemical cell

Range

CH ₄	0-100% Reading	CO	0-2000ppm (H ₂ Compensated)
CO ₂	0-100% Reading	H ₂ S	0-500ppm
O ₂	0-25%		

Gas Accuracy*

	CH ₄	CO ₂	O ₂
0-5%	±0.5%	±0.5%	±1.0%
5-15%	±1.0%	±1.0%	±1.0%
15% - Full Scale	±3.0%	±3.0%	±1.0%

* With proper field calibration

Other Parameters

	Unit	Range	Comments
Static Pressure	mbar	+/- 500 mbar	Direct Measurement
Differential Pressure	mbar	+/- 125 mbar	Direct Measurement

Operating Temperature Range	0°C - 40°C
Relative Humidity	0-95% non condensing
Barometric Pressure Range	±200 mbar from calibration Pressure
Barometric Pressure Accuracy	±5 mbar
Battery Life	Typical use 10 hours from fully charged
Charge Time	Approximately 2 hours from complete discharge
Weight	Approximately 2kg
Dimensions	Length 63mm, Width 190mm, Depth 252mm
Recommended Field Calibration Gas Mix	60% CH ₄ / 40% CO ₂ or 5% CH ₄ , 5% CO ₂ , 6% O ₂ (dependent on application)



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice.
The user is responsible for determining the suitability of this product.