



Landfill

Gas Extraction

Site Investigation

Landfill Fires


## H<sub>2</sub> Compensated CO Landfill Gas Analyser

The GA2000 Plus utilises new technology to give more reliable readings for Carbon Monoxide (CO), helping determine the presence of fires on Landfill. It incorporates the existing technology and features of the industry standard GA2000.

### Benefits

- Easy to read
- Simple download
- Aids compliance
- Simultaneous display of all gases
- Field proven
- Standardises monitoring routines
- Easy transfer of data

### Features

- ATEX Certified , Zone 1 
- MCERTS approved
- 5 gases - CH<sub>4</sub>, CO<sub>2</sub>, O<sub>2</sub>, H<sub>2</sub>S, & CO
- H<sub>2</sub> compensated CO
- Peak CH<sub>4</sub> /CO<sub>2</sub> & min O<sub>2</sub>
- Storage of site and ID questions
- Memory of 2000 readings and 1000 IDs
- Optional Internal low Flow
- Optional Event Log with Technician log
- Optional GPS



### Applications

- Landfill Sites
- Biogas
- Site Investigation
- Gas Extraction



# The GA2000 Plus

## Event Log System - audit trail for gas analyser monitoring

The GA2000 & GEM2000 Range analysers can incorporate the facility for a log of events. This can be used as an aid to monitoring when using the analyser. The feature offers traceability and supports site compliance and audits. Further, it can be used as secondary report to confirm data taken from previous site monitoring, giving your customer/client the confidence that data was taken correctly.



## Product Specifications

Gases Measured		CH <sub>4</sub> , CO <sub>2</sub> , by dual wavelength infrared cell with reference channel. O <sub>2</sub> by internal electrochemical cell.		
<b>Range</b>				
CH <sub>4</sub>	0-70% by specification, 0-100% reading	CO	0-2000ppm (H <sub>2</sub> Compensated)	
CO <sub>2</sub>	0-60% by specification, 0-100% reading	H <sub>2</sub> S	0-500ppm	
O <sub>2</sub>	0-25%			
<b>Gas Accuracy*</b>				
	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	
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 certified field calibration				
<b>Other Parameters</b>		<b>Unit</b>	<b>Range</b>	<b>Comments</b>
Relative Pressure		mbar	±500 mbar	Direct Measurement
ATEX rating		Ex II 2G Ex ib d IIA T1 Gb (Ta = 0°C to +40°C)		
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 2 kg		
Dimensions		Length 252mm, Width 190mm, Depth 63mm		
Recommended Field Calibration Mix		60% CH <sub>4</sub> , 40% CO <sub>2</sub> , or 5% CH <sub>4</sub> , 5% CO <sub>2</sub> , 6% O <sub>2</sub> (dependant on application)		