# Geotechnical Instruments

Landfill and Environmental Equipment - subsidiary of LANDTEC

# GA2000 PLUS

PORTABLE GAS ANALYSER

Landfill
Gas Extraction
Site Investigation
Landfill Fires

## $H_2$ Compensated CO Landfill Gas Analyser

The GA 2000 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 GA 2000.

### Benefits

- Simultaneous display of all gases
- Easier routine monitoring
- Increased reliability of data
- All routes uploaded for daily routine
- Field proven
- Improved traceability of data
- Easy transfer of data


### Features

- ATEX certified
- 6 gas capacity
- $H_2$ compensated CO reading
- Peak $CH_4$ and $CO_2$
- Minimum $O_2$
- Optional Internal Flow
- Optional Event Log
- CO Alarm
- Stores 2000 Readings and 1000 lds

### Applications

- Landfill sites
- Brownfield
- Site investigation
- Biogas

# The GA2000 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 | $CH_4$, $CO_2$, by dual wavelength infrared cell with reference channel. $O_2$ by internal electrochemical cell |

### Range

| | | | |
|---|---|---|---|
| $CH_4$ | 0-100% Reading | CO | 0-2000ppm ($H_2$ Compensated) |
| $CO_2$ | 0-100% Reading | $H_2S$ | 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 | Resolution/Range | Comments |
|---|---|---|---|
| Pressure | mbar | +/- 500 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) |

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