



GA5000

PORTABLE GAS
ANALYZER
INSTRUMENTATION

WWW.LANDTECNA.COM

- ▼ EASY TO USE AND CALIBRATE
- ▼ CAPABLE OF MONITORING UP TO SIX GASES
- ▼ MEASURES AND STORES FLOW READINGS, RELATIVE PRESSURE, TEMPERATURE AND MORE
- ▼ UPGRADABLE WITH INTERNAL, LOW-FLOW OPTION

PORTABLE GAS ANALYZER FOR LANDFILLS AND CONTAMINATED LAND

The GA5000 is our landfill and contaminated land portable gas analyzer, with available gas measurements of CH₄, CO₂, O₂, H₂S and CO. It's easy to use and calibrate and will help standardize your monitoring routines while supporting environmental compliance.



▼ FEATURES

- Measures % CH₄, CO₂ and O₂
- Measures barometric pressure, relative pressure and temperature
- Modular and upgradeable
- Up to six gases monitored
- Simultaneous display of all gases
- Peak and previous readings shown
- Adaptable to low flow measurement

▼ APPLICATIONS

- Landfill Gas Monitoring
- Waste to Energy
- Site Investigation
- Contaminated Land

▼ KEY BENEFITS

- Easy to use and calibrate
- Industry leading reliability
- Standardizes monitoring routines
- Supports environmental compliance
- Easy transfer of data

▼ TECHNICAL SPECIFICATION

GAS RANGES

Gases Measured	CH ₄	By dual wavelength infrared cell with reference channel		Standard
	CO ₂	By dual wavelength infrared cell with reference channel		Standard
	O ₂	By internal electrochemical sensor		Standard
	CO	By internal electrochemical sensor		Optional
	H ₂ S	By internal electrochemical sensor		Optional
	NH ₃	By internal electrochemical sensor		Optional
	H ₂	By internal electrochemical sensor		Optional
Ranges	CO (H ₂ Comp)**	By internal electrochemical sensor		Optional
	CH ₄	0-100% (vol)		
	CO ₂	0-100% (vol)		
	O ₂	0-25% (vol)		
	CO	0-2,000ppm***		
	CO (H ₂ Comp)**	0-2,000ppm***		
	H ₂ S	0-10,000ppm***		
	NH ₃	0-1000ppm		
	H ₂	0-1000ppm		
	Gas Accuracy*	CO ₂	0-60%: +/-0.5% (vol)	60-100%: +/- 1.5% (vol)
CH ₄		0-70%: +/-0.5% (vol)	70-100%: +/-1.5% (vol)	
O ₂		0-25%: +/-1.0% (vol)		
CO		+/- 2.0% FS		
CO(H ₂)**		+/- 1.0% FS		
H ₂ S		+/- 5.0% FS		
NH ₃		+/- 10.0% FS		
H ₂		+/- 2.5% FS		

*All typical accuracies quoted are after calibration

**Hydrogen cross gas effect on carbon monoxide approximately 1% Do not use where hydrogen is in excess of 10,000ppm

***Additional ranges available. Contact LANDTEC for more information

POWER SUPPLY

Battery Life	Typical use 8 hours from fully charged
Charge Time	Approximately 4 hours from complete discharge

PUMP

Flow	Typically 550cc/min
Flow with 80 in. H ₂ O vacuum	Approximately 80cc/min
Low Flow Range	0-0.0117cfm
Accuracy	+/- .0001cfm

