

# GA5000

## PORTABLE GAS ANALYZER INSTRUMENTATION

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- ▼ 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 CH<sub>4</sub>, CO<sub>2</sub>, O<sub>2</sub>, H<sub>2</sub>S and CO. It's easy to use and calibrate and will help standardize your monitoring routines while supporting environmental compliance.





## ▼ FEATURES

- Measures % CH<sub>4</sub>, CO<sub>2</sub> and O<sub>2</sub>
- 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 <sub>4</sub>	By dual wavelength infrared cell with reference channel		Standard
	CO <sub>2</sub>	By dual wavelength infrared cell with reference channel		Standard
	O <sub>2</sub>	By internal electrochemical sensor		Standard
	CO	By internal electrochemical sensor		Optional
	H <sub>2</sub> S	By internal electrochemical sensor		Optional
	NH <sub>3</sub>	By internal electrochemical sensor		Optional
	H <sub>2</sub>	By internal electrochemical sensor		Optional
		CO (H <sub>2</sub> Comp)**	By internal electrochemical sensor	
Ranges	CH <sub>4</sub>		0-100% (vol)	
	CO <sub>2</sub>		0-100% (vol)	
	O <sub>2</sub>		0-25% (vol)	
	CO		0-2,000ppm***	
	CO (H <sub>2</sub> Comp)**		0-2,000ppm***	
	H <sub>2</sub> S		0-10,000ppm***	
	NH <sub>3</sub>		0-1000ppm	
		H <sub>2</sub>		0-1000ppm
Gas Accuracy*	CO <sub>2</sub>		0-60%: +/-0.5% (vol)	60-100%: +/- 1.5% (vol)
	CH <sub>4</sub>		0-70%: +/-0.5% (vol)	70-100%: +/-1.5% (vol)
	O <sub>2</sub>		0-25%: +/-1.0% (vol)	
	CO		+/- 2.0% FS	
	CO(H <sub>2</sub> )**		+/- 1.0% FS	
	H <sub>2</sub> S		+/- 5.0% FS	
	NH <sub>3</sub>		+/- 10.0% FS	
		H <sub>2</sub>		+/- 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 <sub>2</sub> O vacuum	Approximately 80cc/min
Low Flow Range	0-0.0117cfm
Accuracy	+/- .0001cfm



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