

# PORTABLE LANDFILL MULTI-GAS METHANE, CARBON DIOXIDE, AND OXYGEN ANALYZER

## LFG 20 PLUS

### FEATURES

- METHANE, CARBON DIOXIDE, and OXYGEN gas measurements only
- Simultaneously monitors and displays all three gases accurately
- Infrared technology used for 0-100% Volume analysis of CH<sub>4</sub> and CO<sub>2</sub>
- Electrochemical cell used for 0-25% Volume monitoring of Oxygen
- Option of built-in data logger with PC download software
- Extremely easy to use with built-in air pump and self diagnostics
- Compact design, lightweight, and With reliable technology
- Complete with carrying case and battery charger/power supply



The **LFG 20 PLUS** permits simple and precise measurements of Carbon Dioxide (CO<sub>2</sub>), Methane (CH<sub>4</sub>), and Oxygen (O<sub>2</sub>) in a sample drawn by an internal pump at 200 mL per minute.

The rate of decomposition of organic material varies within and between sites while the composition of landfill gas varies with time. Consequently the **LFG 20 PLUS** incorporates dual ranges for the Carbon Dioxide and Methane readings.

These ranges are automatically selected according to the gas concentration in the sample and measurements are displayed digitally for each gas, together with the oxygen content.



**CEA Instruments, Inc.**

*"EXPERTS IN TOXIC GAS DETECTION"*

## LFG-20 PLUS SPECIFICATIONS

<b>MEASURING PRINCIPLE</b>	Carbon Dioxide (CO <sub>2</sub> ) and Methane (CH <sub>4</sub> ) – Infrared Oxygen (O <sub>2</sub> ) – Electrochemical Sensor
<b>MEASURING RANGES</b>	0-10% Volume / 0-100% Volume Dual Ranging – Carbon Dioxide (CO <sub>2</sub> ) and Methane (CH <sub>4</sub> ) 0-25% Volume – Oxygen (O <sub>2</sub> )
<b>RESPONSE TIME</b>	Less than 15 seconds
<b>SAMPLING METHOD</b>	Automatic internal sampling pump, 200 mL / minute
<b>WEIGHT</b>	Approx. 6.6 lbs (3 Kg)
<b>DIMENSIONS</b>	Approx. 9.06" x 8.27" x 3.15" (230 x 210 x 80 mm)
<b>TEMPERATURE RANGE</b>	-4 <sup>o</sup> F to 158 <sup>o</sup> F (-20 <sup>o</sup> C to 70 <sup>o</sup> C)
<b>OPTIONAL DATA LOGGER</b>	Internal data logger with long life internal battery back up; 64K bytes memory for 43,000 12 bit measurements
<b>DATA LOGGER SOFTWARE</b>	Windows based software and USB interface for PC connection allows continuous logging of all parameters. User programmable to configure the logger to suit a wide variety of applications. The logged data can easily be downloaded and used to produce graphs or be exported to alternative software such as spreadsheets. Can be set to continuously log with live PC link and graphical formatting.

(Specifications subject to change without notice.)



### **CEA Instruments, Inc.**

160 Tillman Street, Westwood, N.J. 07675 U.S.A.  
Telephone (201) 967-5660 Fax (201) 967-8450  
E-Mail: ceainstr@aol.com Website: www.ceainstr.com



# CEA Instruments, Inc.

160 Tillman Street

Westwood, N.J. 07675 USA

Phone (201) 967-5660 Fax (201) 967-8450

Website: [www.ceainstr.com](http://www.ceainstr.com) E-mail: [ceainstr@aol.com](mailto:ceainstr@aol.com)

## LFG-20 PLUS PRICE LIST

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
LFG-20 PLUS	LFG-20 PLUS Portable Landfill Gas Monitor	\$ 6995.00

Simultaneously Monitors and Displays:

Carbon Dioxide (CO<sub>2</sub>)      0-100% Volume

Methane (CH<sub>4</sub>)              0-100% Volume

Oxygen (O<sub>2</sub>)                  0- 25% Volume

Includes: Built-in Air Pump, Tubing, Rechargeable Battery,  
Battery Charger, Carrying Case with Strap, and Manual

<u>PART NUMBER</u>	<u>OPTIONS AND ACCESSORIES</u>	<u>PRICE</u>
LFG-20-DLS	Data Logger and PC Download Software	\$ 795.00
LFG-EX-FILT-4	External Hydrophobic Filters, Pack of 4	\$ 100.00
CK-LFG-20	Calibration Kit For LFG-20 PLUS	\$ 695.00

Includes:

1 Cylinder 40% CO<sub>2</sub> / 60% CH<sub>4</sub> (105L)

1 Cylinder Nitrogen Zero Gas (105L)

1 Special Preset Regulator, 0.5 L/Min

2 Tedlar Gas Bags

1 Carrying Case