

Multi-Sensor IAQ & Landfill Surface Gas Emissions



For IAQ applications:

- Fifteen sensor capacity: twelve plug & play sensors, one fixed temperature sensor, one removable RH sensor plus one remote sensor such as particulates
- Sensors available include electrochemical, catalytic (combustibles - % LEL), infrared (PPM or % volume), PID
- Powerful, internal sample pump with inline filter
- Large, backlit, multi-line, LCD display
- Extensive, easy to use menu system
- Lexan label with tactile buttons
- Rugged ABS enclosure with swivel handle acts as stand support
- Audible alarm with set point
- Large capacity (+20 hours), rechargeable NiMH battery pack
- Huge capacity data logging with built-in SD flash card

For Landfill Surface Gas Emissions applications:

- Same basic features as IAQ instrument
- Automatic flow control for internal sample pump, ensures 1-LPM flow rate even with resistance
- Optional, plug-in wireless Bluetooth module
- Firmware version suitable for landfill surveys, communicates to pocket PDA
- Sample probe for sampling gas emissions from surface soil

Multi-channel Air Quality Monitor

YES Plus LGA is a multi-gas air quality monitoring and information recording instrument that simultaneously measures and records temperature, RH, CO₂, and much more. Featuring a 15-sensor capacity, the YES Plus LGA allows users to accurately monitor more within a single, easy to carry instrument. It contains 12 internal plug & play sensors, a fixed temperature sensor, a removable RH sensor, and a remote sensor, such as particulates. Sensors available include electrochemical, catalytic (combustibles % LEL), infrared (PPM or % volume CO₂ or combustibles), and PID. An air sample from the target environment is delivered to the sensors through “active sampling” by the internal sample draw pump. More than a million data points can be logged and stored in a built-in SD flash card for convenience. The large, backlit, multi-line scrolling LCD display indicates the sensor types installed and measured values for each gas, battery status and more. The system utilizes a long life rechargeable NiMH battery pack providing more than 24-hours of run time, depending on sensor array installed. The user can also set one alarm level for each gas to activate the internal audible alarm. The system is housed in a rugged ABS enclosure with swivel handle to act as a stand support or for carrying the instrument.

The Landfill Gas Analyzer (LGA) version has an optional plug-in GPS and Bluetooth module and a firmware version that’s suitable for landfill surveys to communicate to pocket PDAs. The internal sample pump has an automatic flow control that ensures 1-LPM flow rate even with resistance.

Dimensions	10.0" wide x 3.5" high x 7.0" deep (254 mm wide x 89 mm high x 178 mm deep)		
Weight	3.6 lbs (1.7 kg)		
Enclosure Material	Rugged ABS (UL94-HB rated) c/w multi-position, adjustable aluminum carrying hangle/stand		
Power	Rechargeable NiMH battery pack: 18 - 24 hours of continuous operation time <i>(dependent upon the sensor array installed)</i> c/w plug-in battery charger / wall adapter (12 VDC or 100 - 240 VAC)		
Display	Back-lit, multi-line LCD alphanumeric display; 4-tactile push-buttons for user access		
Sample	Internal, automatic sample pump for “active” sampling of target environment		
Circuit	Powerful microprocessor, user configurable		
Operating Ranges	Temperature: 5°C to 50°C (41°F to 122°F); Relative Humidity: 0 - 99% RH non-condensing		
Storage Ranges	Temperature: -20°C to 60°C (-4°F to 140°F); Relative Humidity: 0 - 99% RH non-condensing		
Sensors	Ammonia (NH3) Arsine (AsH3) Carbon Monoxide (CO) Carbon Dioxide (CO2) Combustibles (flammables) Chlorine (Cl2) Chlorine Dioxide (ClO2) Flourine (F2) Formaldehyde (HCHO) Hydrazine (N2H4) Hydrogen (H2) Hydrogen Sulphide (H2S)	PNP-H PNP-R PNP-C PNP-A+, PNP-B, PNP-B1 PNP-B+, PNP-B2, PNP-X PNP-I PNP-J PNP-S PNP-Q PNP-T PNP-K PNP-L	Hydrogen Chloride (HCl) Hydrogen Cyanide (HCN) Hydrogen Flouride (HF) Nitrogen Dioxide (NO2) Nitric Oxide (NO) Oxygen (O2) Ozone (O3) Phosgene (COCl2) Phosphine (PH3) Silane (SiH4) Sulphur Dioxide (SO2) TVOC
Pending Certifications	CE standards for safety: I.S.EN61010-1:2001 (Ed.2) CE standards for emissions: EN 50270:2006 CE standards for immunity: EN 50270:2006		



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