YES Plus LGA 15-Channel IAQ Monitor

Critical Environment Technologies™

APPLICATIONS

» Residential Buildings
» Commercial Buildings
» Hospitals
» Laboratories
» Research Facilities
» Parking Garages
» ... and many more

YES Plus LGA is a multi-gas air quality monitoring and information recording instrument that simultaneously measures and records up to fifteen sensors. With more than 30 different plug and play sensors to select from, users can accurately monitor more within a single, easy to carry instrument.

Featuring a fifteen channel sensor capacity including RH and temperature, YES Plus LGA can handle up to 12 additional plug & play sensors consisting of a maximum of eight electrochemical toxic gas or oxygen sensors, four high current draw sensors such as an infrared, PID or catalytic, plus a remote YESDUST particulate sensor.

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.
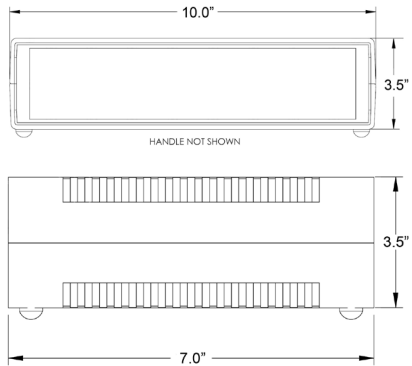
An air sample from the target environment is delivered to the sensors through "active sampling" by the internal sample draw pump. More than a million data points can be logged and stored on a built-in 2 GB SD memory card for convenience.

The optional YES Logger package consists of a 2 GB SD memory card and card reader, USB cable and YES Viewer Software. The card reader stores the data which can be transferred. Alternatively, data can be downloaded through the device using a standard USB connection. Our proprietary YES Viewer Software will allow users to analyze and graph the data.

TECHNICAL DRAWING

10.0"

3.5"

HANDLE NOT SHOWN

3.5"

7.0"

KEY FEATURES

» 15 sensor capacity
» > 30 plug & play sensor choices
» Extensive, easy to use menu system
» Rugged ABS enclosure with swivel handle acts as stand support
» Internal sample pump with inline filter
» Large, backlit, multi-line, LCD display
» Data logging to SD memory card
» Menu control positive sampling
» RoHS compliant circuit boards

YES Plus LGA (picture above) is housed in a rugged ABS enclosure with swivel handle to act as a stand support or for carrying the instrument.

INDOOR AIR QUALITY

YES Plus LGA 15-Channel IAQ Monitor

TECHNICAL SPECIFICATIONS

MECHANICAL

Enclosure	Rugged ABS (UL94-HB rated) c/w multi-position, adjustable aluminum carrying hangle/stand
Weight	1.7 kg (3.6 lb)
Size	10.0" x 3.5" x 7.0" (254 mm x 89 mm x 178 mm)

ELECTRICAL

Power	Rechargeable NiMH battery pack: 18 - 24 hours of continuous operation time (dependent upon the sensor array installed) c/w plug-in battery charger / 12 VDC wall adapter (100 - 240 VAC; 50 - 60 Hz)
Circuit	Powerful microprocessor, user configurable
Sampling	Internal, automatic sample pump for "active" sampling of target environment

ENVIRONMENTAL *(sensor dependant)*

Operating Temperature	5°C to 50°C (41°F to 122°F)
Humidity	0 - 99% RH non-condensing

CERTIFICATION

CE	Pending

NOTE: In addition to the temperature and RH sensors, the YES Plus LGA can handle up to 12 additional sensors consisting of a maximum of eight electrochemical toxic gas or oxygen sensors, four high current draw sensors such as an infrared PID or catalytic, plus a remote YESDUST particulate sensor.

PRODUCT CODES

Temperature and RH sensors, internal pump, inline filter, rechargeable battery, internal data logging, capacity for 12 gas sensors	YES-PLUS-LGA

OPTIONS

Ammonia (NH_3) electrochemical, 0 - 50 ppm	PNP-H
Arsine (AsH_3) electrochemical, 0 - 2 ppm	PNP-R
Carbon dioxide (CO_2) infrared, 0 - 5,000 ppm	PNP-A+
Carbon dioxide (CO_2) infrared, 0 - 10,000 ppm	PNP-A1
Carbon dioxide (CO_2) infrared, 0 - 20% volume	PNP-A2
Carbon dioxide (CO_2) infrared, 0 - 5% volume	PNP-B
Carbon dioxide (CO_2) infrared, 0 - 100% volume	PNP-B1
Carbon monoxide (CO) electrochemical, 0 - 50 ppm	PNP-C
Carbon monoxide (CO) electrochemical, 0 - 50 ppm (H_2 compensated for use in H_2 background)	PNP-C1
Chlorine (Cl_2) electrochemical, 0 - 5 ppm	PNP-I
Chlorine dioxide (ClO_2), electrochemical, 0 - 1 ppm	PNP-J
Combustibles (catalytic), 0 - 100% LEL	PNP-X
Ethylene (C_2H_4), 0 - 200 ppm	PNP-E1
Ethylene oxide (C_2H_4O), 0 - 20 ppm	PNP-E2
Fluorine (F_2) electrochemical, 0 - 2 ppm	PNP-S
Formaldehyde (CH_2O) electrochemical, 0 - 5 ppm	PNP-Q
Hydrogen (H_2) electrochemical, 0 - 1,000 ppm	PNP-K
Hydrogen chloride (HCl) electrochemical, 0 - 30 ppm	PNP-M
Hydrogen cyanide (HCN) electrochemical, 0 - 100 ppm	PNP-N
Hydrogen fluoride (HF) electrochemical, 0 - 10 ppm	PNP-O
Hydrogen sulphide (H_2S) electrochemical, 0 - 50 ppm	PNP-L
Methane (CH_4) infrared, 0 - 5% volume	PNP-B+
Nitric oxide (NO) electrochemical, 0 - 100 ppm	PNP-E
Nitrogen dioxide (NO_2) electrochemical, 0 - 5 ppm	PNP-D
Oxygen (O_2) electrochemical, 0 - 25% volume	PNP-F
Ozone (O_3) electrochemical, 0 - 1 ppm	PNP-G
Phosphine (PH_3) electrochemical, 0 - 1 ppm	PNP-V
Silane (SiH_4) electrochemical, 0 - 1 ppm	PNP-W
Sulphur dioxide (SO_2) electrochemical, 0 - 20 ppm	PNP-P
TVOCs (PID), 0 - 300 ppm	PNP-Y+
TVOCs (PID), 0 - 30 ppm	PNP-Z+

ACCESSORIES

Hard shell carrying case for YES Plus LGA	718
YES Logger package: 2 GB memory card and card reader, USB cable, YES Viewer Software	YES-AIR LGR PKG
Handheld probe 10" with 30" of sample hose	LGA-HHPROBE-30
YES Viewer data logging software (USB flash drive)	YES-SFTWR
Calibration Kit for 17 - 103 L cylinders, 0.5 LPM flow regulator & adapter to fit 17 L cylinder	CET-715A-CK1

INDOOR AIR QUALITY