

YES AIR 8-Channel IAQ Monitor



The YES AIR is a battery powered, portable air quality detection and data logging instrument designed for intermittent or continuous indoor air quality monitoring.

Available in two models (Pump or Diffusion), each offers multi-channel operation, a selection of more than 30 different plug and play sensors (including a particulate sensor) and a huge capacity data logging SD memory card. Both models come with one temperature sensor, one relative humidity (RH) sensor, the capacity for 5 internal gas sensors consisting of a maximum of three electrochemical toxic gas or oxygen sensors plus two high current draw sensors such as an infrared, PID or catalytic, plus an auxiliary port for connection to the YES DUST, a general purpose particulate sensor.

Sensor readings, battery level and data logging status can be viewed live on the multi-line, backlit, LCD display. The optional YES Viewer Logger package consists of a 2 GB SD memory card with card reader, a USB cable and YES Viewer software. The card reader can be used to store or transfer data. Alternatively, data can be downloaded to a computer using the mini USB connection. The YES Viewer PC software allows users to analyze and graph data.

An optional sampling probe is available with the Pump model. The probe has a 10 inch wand and 30 inches of tubing that fits onto the nozzle and allows you to reach into areas that are difficult to access.

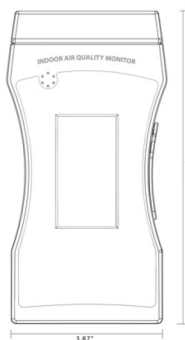
KEY FEATURES

- » Capacity for 1 temperature, 1 RH sensor and 5 internal gas sensors, plus 1 external particulate sensor
- » More than 30 plug & play sensors available to choose from, including electrochemical, catalytic, infrared & PID
- » Multi-function, easy to use menu
- » Light weight, contoured & comfortable to hold
- » LCD displays readings for all sensors, battery level and logging status
- » Sampling with an internal sample draw pump or by diffusion
- » High capacity data logging with 2GB SD memory card
- » Data logging software for collecting, analyzing and graphing data
- » RoHS compliant circuit boards
- » CE certified

APPLICATIONS

- » Residential Buildings
- » Commercial Buildings
- » Hospitals
- » Schools
- » Airports
- » Research Facilities
- » ... and many more where indoor air quality is a concern

TECHNICAL DRAWING



TECHNICAL SPECIFICATIONS

MECHANICAL

Enclosure	Rugged ABS / Polycarbonate (UL94 rated)
Weight	567 g (20 oz)
Size	7.8" x 3.1" x 3.9" (197 mm x 78 mm x 98 mm)
Case (included)	Hard plastic storage/carrying case with foam lining

ELECTRICAL

Power	<i>Standard (included):</i> Rechargeable 3.6V NiMH battery pack (8 hours continuous operation time with plug-in battery charger / wall adapter (100 - 240 V, 50 - 60 Hz) <i>Optional (not included):</i> Alkaline AA batteries x 3
Sampling	<i>Pump Model:</i> Internal sample pump automatically draws in sample of target environment <i>Diffusion Model:</i> Sample air is diffused naturally over the sensors
Memory	> 1 million data points data logging to SD flash card (<i>optional</i>)
Calibration	Automated through keypad

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TECHNICAL SPECIFICATIONS continued

Information Recording	12 bit, multi-channel, user configurable with 2GB SD memory card slot
	YES Logger package with 2GB SD memory card, card reader, USB cable and YES Viewer Software (<i>optional</i>)
Communication	Miniature USB port for changing settings and configuring logging functions Auxiliary port for using external sensor (ie. YES DUST)
Audible	Internal 80 dB @ 4'. One set point adjustment. Audible can be switched off through menu.

ENVIRONMENTAL (sensor dependant)

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

CERTIFICATION

CE Certified	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

PRODUCT CODES

Pump Model: Temperature & RH sensor, internal sample draw pump, rechargeable batteries (3 x AA NiMH) and battery charger, capacity for 5 internal gas sensors YES-AIR

Diffusion Model: Temperature & RH sensor, diffuser cap, rechargeable batteries (3 x AA NiMH) and battery charger, capacity for 5 internal gas sensors YES-AIR-D

SENSOR 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 ₂ H ₄), 0 - 200 ppm	PNP-E1
Ethylene oxide (C ₂ H ₄ O), 0 - 20 ppm	PNP-E2
Fluorine (F ₂) electrochemical, 0 - 2 ppm *	PNP-S
Formaldehyde (CH ₂) electrochemical, 0 - 10 ppm	PNP-Q

PRODUCT CODES continued

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 ₂ S) 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 - 50 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+

*sensors only available with YES-AIR-D model

ACCESSORIES

External mounted nickel metal hydride battery pack	YESAIR BATT OPTION
YES Logger package with 2 GB memory card, card reader, USB cable, YES Viewer Software	YES-AIR LGR PKG
Handheld 10" probe with 30" of sample hose	YES-HHPROBE-10
External lead acid battery in carrying case with charger	YES-AIR BATT EXT
YES Viewer datalogging software (USB drive)	YES-SFTWR



YES AIR attached to a remote particulate sensor, YES DUST.

