



The YESAIR 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.

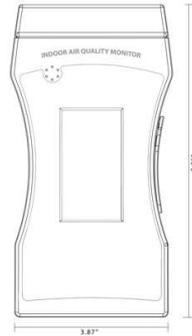
KEY FEATURES

- » 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 3.6 V 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

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 (optional)
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
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PRODUCT CODES

YES-AIR	<i>Pump Model:</i> Temperature & RH sensor, internal sample draw pump, rechargeable batteries (3 x AA NiMH) and battery charger, capacity for 5 internal gas sensors
YES-AIR-D	<i>Diffusion Model:</i> Temperature & RH sensor, diffuser cap, rechargeable batteries (3 x AA NiMH) and battery charger, capacity for 5 internal gas sensors

SENSOR OPTIONS

PNP-H	Ammonia (NH ₃) electrochemical, 0 - 50 ppm
PNP-R	Arsine (AsH ₃) electrochemical, 0 - 2 ppm
PNP-A+	Carbon dioxide (CO ₂) infrared, 0 - 5,000 ppm
PNP-A1	Carbon dioxide (CO ₂) infrared, 0 - 10,000 ppm
PNP-A2	Carbon dioxide (CO ₂) infrared, 0 - 20% volume
PNP-B	Carbon dioxide (CO ₂) infrared, 0 - 5% volume
PNP-B1	Carbon dioxide (CO ₂) infrared, 0 - 100% volume
PNP-C	Carbon monoxide (CO) electrochemical, 0 - 50 ppm
PNP-C1	Carbon monoxide (CO) electrochemical, 0 - 50 ppm (H ₂ compensated for use in H ₂ background)
PNP-I	Chlorine (Cl ₂) electrochemical, 0 - 5 ppm
PNP-J	Chlorine dioxide (ClO ₂), electrochemical, 0 - 1 ppm
PNP-X	Combustibles (catalytic), 0 - 100% LEL

PRODUCT CODES continued

PNP-E1	Ethylene (C ₂ H ₄), 0 - 200 ppm
PNP-E2	Ethylene oxide (C ₂ H ₄ O), 0 - 20 ppm
PNP-S	Fluorine (F ₂) electrochemical, 0 - 2 ppm
PNP-Q	Formaldehyde (CH ₂ O) electrochemical, 0 - 5 ppm
PNP-K	Hydrogen (H ₂) electrochemical, 0 - 1,000 ppm
PNP-M	Hydrogen chloride (HCl) electrochemical, 0 - 30 ppm
PNP-N	Hydrogen cyanide (HCN) electrochemical, 0 - 100 ppm
PNP-O	Hydrogen fluoride (HF) electrochemical, 0 - 10 ppm
PNP-L	Hydrogen sulphide (H ₂ S) electrochemical, 0 - 50 ppm
PNP-B+	Methane (CH ₄) infrared, 0 - 5% volume
PNP-E	Nitric oxide (NO) electrochemical, 0 - 100 ppm
PNP-D	Nitrogen dioxide (NO ₂) electrochemical, 0 - 5 ppm
PNP-F	Oxygen (O ₂) electrochemical, 0 - 25% volume
PNP-G	Ozone (O ₃) electrochemical, 0 - 1 ppm
PNP-V	Phosphine (PH ₃) electrochemical, 0 - 1 ppm
PNP-W	Silane (SiH ₄) electrochemical, 0 - 50 ppm
PNP-P	Sulphur dioxide (SO ₂) electrochemical, 0 - 20 ppm
PNP-Y+	TVOCs (PID), 0 - 300 ppm
PNP-Z+	TVOCs (PID), 0 - 30 ppm

ACCESSORIES

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

