



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

With more features, flexibility and functionality than many IAQ instruments on the market today, the YES AIR is available in two model types (Pump or Diffusion), each with 30 different plug and play sensors to choose from. It comes with one temperature sensor, one relative humidity sensor and has the capacity for 5 internal gas sensors. In addition, it has an auxiliary port that will connect 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.

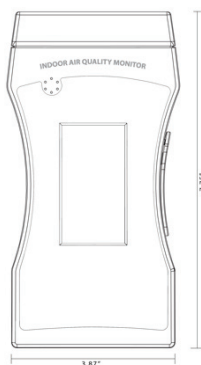
### KEY FEATURES

- » 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) |

#### 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)<br><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<br><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<br>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<br>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 dependent*)

|                       |                             |
|-----------------------|-----------------------------|
| 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:<br>I.S. EN61010-1:2001 (Ed.2)<br>CE standards for emissions: EN 50270:2006<br>CE standards for immunity: EN 50270:2006 |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------|

### PRODUCT CODES

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

### SENSOR OPTIONS

|                                                                                                                    |        |
|--------------------------------------------------------------------------------------------------------------------|--------|
| Ammonia (NH <sub>3</sub> ) electrochemical, 0 - 50 ppm                                                             | PNP-H  |
| Arsine (AsH <sub>3</sub> ) electrochemical, 0 - 2 ppm                                                              | PNP-R  |
| Carbon dioxide (CO <sub>2</sub> ) infrared, 0 - 5,000 ppm                                                          | PNP-A+ |
| Carbon dioxide (CO <sub>2</sub> ) infrared, 0 - 10,000 ppm                                                         | PNP-A1 |
| Carbon dioxide (CO <sub>2</sub> ) infrared, 0 - 20% volume                                                         | PNP-A2 |
| Carbon dioxide (CO <sub>2</sub> ) infrared, 0 - 5% volume                                                          | PNP-B  |
| Carbon dioxide (CO <sub>2</sub> ) infrared, 0 - 100% volume                                                        | PNP-B1 |
| Carbon monoxide (CO) electrochemical, 0 - 50 ppm                                                                   | PNP-C  |
| Carbon monoxide (CO) electrochemical, 0 - 50 ppm (H <sub>2</sub> compensated for use in H <sub>2</sub> background) | PNP-C1 |
| Chlorine (Cl <sub>2</sub> ) electrochemical, 0 - 5 ppm *                                                           | PNP-I  |
| Chlorine dioxide (ClO <sub>2</sub> ), electrochemical, 0 - 1 ppm                                                   | PNP-J  |
| Combustibles (catalytic), 0 - 100% LEL                                                                             | PNP-X  |
| Ethylene (C <sub>2</sub> H <sub>4</sub> ), 0 - 200 ppm                                                             | PNP-E1 |
| Ethylene oxide (C <sub>2</sub> H <sub>4</sub> O), 0 - 20 ppm                                                       | PNP-E2 |
| Fluorine (F <sub>2</sub> ) electrochemical, 0 - 2 ppm *                                                            | PNP-S  |
| Formaldehyde (CH <sub>2</sub> O) electrochemical, 0 - 10 ppm                                                       | PNP-Q  |

### PRODUCT CODES continued

|                                                                  |        |
|------------------------------------------------------------------|--------|
| Hydrogen (H <sub>2</sub> ) 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 <sub>2</sub> S) electrochemical, 0 - 50 ppm | PNP-L  |
| Methane (CH <sub>4</sub> ) infrared, 0 - 5% volume               | PNP-B+ |
| Nitric oxide (NO) electrochemical, 0 - 100 ppm                   | PNP-E  |
| Nitrogen dioxide (NO <sub>2</sub> ) electrochemical, 0 - 5 ppm   | PNP-D  |
| Oxygen (O <sub>2</sub> ) electrochemical, 0 - 25% volume         | PNP-F  |
| Ozone (O <sub>3</sub> ) electrochemical, 0 - 1 ppm *             | PNP-G  |
| Phosphine (PH <sub>3</sub> ) electrochemical, 0 - 1 ppm          | PNP-V  |
| Silane (SiH <sub>4</sub> ) electrochemical, 0 - 50 ppm           | PNP-W  |
| Sulphur dioxide (SO <sub>2</sub> ) 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

|                                                                                       |                    |
|---------------------------------------------------------------------------------------|--------------------|
| Hard shell, dust/water tight storage/carrying case with foam lining                   | 6010.20            |
| 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 flash drive)                                     | YES-SFTWR          |



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

