YESAIR 8-Channel IAQ Monitor

Critical Environment Technologies™

APPLICATIONS

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

TECHNICAL DRAWING

INDOOR AIR QUALITY MONITOR

7.75"

3.87"

YESAIR offers more features, flexibility and functionality than any other IAQ instrument on the market today with multi-channel operation, more than 30 different plug and play sensors to select from, including a particulate sensor, huge capacity data logging to SD flash card and much more.

Featuring an eight channel sensor capacity including RH and temperature, YESAIR can handle up to five additional internal plug & play 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, and a remote YESDUST particulate sensor.

Positive sampling with internal pump ensures good representative samples are taken from all target areas or with diffusion for a quick, direct reading. Eight sensors are viewed live on the multi-line, backlit, LCD display as well as battery and data logging status.

The optional YES Logger package consists of a 2 GB SD flash card, USB cable, YES Viewer software, and SD flash card reader. The SD flash card reader stores the data and can be transferred. Alternatively, data could be downloaded through the instrument using a standard USB connection. The YES Viewer PC software will allow users to analyze and graph data.
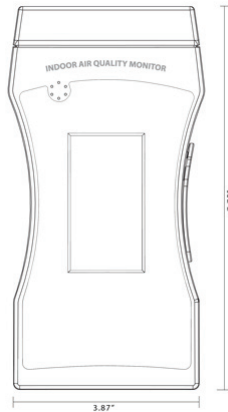
KEY FEATURES

» 8 sensor capacity
» > 30 plug & play sensors available to choose from, including electrochemical, catalytic, infrared & PID
» Multi-function, easy to use menu
» Light weight, contoured & comfortable handheld device
» LCD displays all sensors
» Sampling with internal sample draw pump or by diffusion
» High capacity data logging with built-in SD flash card
» Data logging software available
» RoHS compliant circuit boards
» CE certified

YESAIR is attached to a remote particulate sensor, YESDUST (picture above).

YESAIR 8-Channel IAQ Monitor

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	*Standard*: Rechargable 3.6 V NiMH battery pack (8 hours continuous operation time c/w plug-in battery charger / wall adapter (100 - 240 V, 50 - 60 Hz) *Optional*: Alkaline AA batteries x 3
Sampling	*Standard*: Internal, automatic sample pump for "active" sampling of target environment *Optional*: Diffusion for quick, direct reading.
Memory	> 1 million data points data logging to SD flash card *(optional)*
Calibration	Automated through keypad
Information Recording	12 bit, multi-channel, user configurable with removable flash card 2 GB. YES Logger package option includes 2 GB SD flash card, USB cable, YES Viewer software, and SD flash card reader.
Communication	Miniature USB port for changing settings and configuring logging functions and auxiliary port for using additional sensors (i.e. YESDUST)
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

NOTE: YESAIR can handle up to five additional internal plug & play 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, and a remote YESDUST particulate sensor.

PRODUCT CODES

Temperature & RH sensors, internal pump, rechargeable batteries (3 x AA NiMH), battery charger, capacity for 5 gas sensors	YESAIR
Temperature & RH sensors, diffuser cap, rechargeable batteries (3 x AA NiMH), battery charger, capacity for 5 gas sensors	YESAIR-D

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 - 500 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 - 10 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
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 - 50 ppm	PNP-Z+

ACCESSORIES

Hard shell carrying case for YESAIR	6010.20
YES logger package, 2 GB flash card, USB cable, YES Viewer software, SD flash card reader	YESAIR-LGRPKG
Handheld probe 10" with 30" of sample hose	YES-HHPROBE-10
External mounted nickel metal hydride pack	YESAIR BATT OPTION
External lead acid battery, in carrying case w charger	YES-AIR BATT EXT
YES Viewer information logging software CD	YES-SFTWRE

IAQ DATASHEET

CE