

# Portable IAQ Instruments - GAS DETECTION DATASHEET

## YESAIR Junior The Essential IAQ Monitor



YESAIR Junior is a new low cost, light weight hand held device. It contains three key sensors that are aimed to simultaneously measure and record temperature, relative humidity, and carbon dioxide (CO<sub>2</sub>) levels in the air. The LCD display indicates all three sensors and measured values for each as well as battery status.

This essential device collects up to 26,000 data points and stores it in the internal flash memory. Users can download the data through a USB port for analysis with our YES Viewer pc software.

The device utilizes alkaline batteries, providing up to 24 hours of run time, or a supplied wall adapter, providing continuous operation.

Included with the instrument is the hardshell carrying case and YES Logger package, consisting of a 2 GB SD flash card, USB cable, YES Viewer software, and SD flash card reader.

### KEY FEATURES

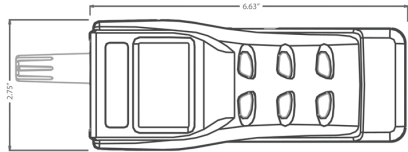
- » Low cost & easy to use
- » Light weight, handheld device
- » Audible alarm
- » Simultaneously measures & displays temperature, RH & CO<sub>2</sub>
- » Large, 3 parameters, backlit LCD display with high resolution
- » Logs to internal memory (up to 26,000 data points)
- » USB output to remote data logger
- » Operates up to 24 hours on battery or continuously with wall adapter
- » RoHS compliant circuit boards
- » CE certified

### APPLICATIONS

- » Residential Buildings
- » Commercial Buildings
- » Greenhouses
- » Hospitals
- » Laboratories
- » Research Facilities
- » ... and many more



### TECHNICAL DRAWING



### TECHNICAL SPECIFICATIONS

#### GAS TYPE

Carbon Dioxide (CO<sub>2</sub>)

#### MECHANICAL

Enclosure	Rugged ABS / Polycarbonate
Weight	200 g (7.1 oz)
Size	2.8" x 6.6" x 1.3" (70 mm x 81 mm x 32 mm)
Display	3 parameters, backlit, numerical LCD display

#### ELECTRICAL

Power Requirement	4 x AA alkaline batteries Up to 24 hours of operation time 6VDC wall adapter 24/7 continuous operation time
Memory	Up to 26,000 data points to internal flash memory

#### SENSOR

Sampling Method	Diffusion
Resolution	1 ppm
Warm-Up Time	30 seconds

#### ENVIRONMENTAL (sensor dependent)

Operating Temperature	0°C to 50°C (32°F to 122°F)
Humidity	0 - 95% RH non-condensing

#### CERTIFICATION

CE	Certified
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### PRODUCT CODES

Carbon dioxide (CO <sub>2</sub> ), temperature & relative humidity sensors plus internal data logging, YES Viewer software, USB cable & carrying case	YESAIR Junior
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#### ACCESSORIES

YES logger package, 2 GB flash card, USB cable, YES Viewer software, SD flash card reader	YESAIR-LGRPKG
YES Viewer information logging software CD	YES-SFTWRE