SPECIFICATIONS

Enclosure: Rugged ABS/Polycarbonate plastic, UL94-HB material flammability rating

Dimensions:
Instrument overall: 3.9" (9.9 cm) wide X 3.1" (7.8 cm) deep X 7.8" (19 cm) high
Instrument overall incl antenna: 5" (12.7 cm) wide X 3.5" (8.9 cm) deep X 10" (25.4 cm) high
Hand-held area: 3.0" (7.6 cm) wide X 1.62" (4 cm) deep X 3.87" (9.8 cm) high

Weight: 20 oz. (567 g), 23 oz. (655 g) with particulate sensor included

Usage: The YES AIR is a battery powered, portable air quality detection and data logging instrument designed for intermittent or continuous indoor air quality monitoring. It comes in a plastic storage/carrying case with foam lining.

Electronics: Microprocessor based, menu driven, user configurable

Sensors: Small, "plug-and-play" gas sensor modules with built-in E-EPROMs to retain calibration and setup information. Over 30 different sensors to choose from, including five different sensor types. Consult list for gases, ranges and other sensor specifications.
[1] Sensor types:
   [a] Electrochemical (multiple ranges available)
   [b] Catalytic (one range available)
   [c] Infrared single beam (one "ppm" range available)
   [d] Infrared dual beam (multiple "percent volume" ranges available)
   [e] PID (two ranges)
   [f] Particulate (choice of one of two measurements)
[2] Calibration: Automated process (consult manual for details and frequency)
[3] Capacity: Maximum 5 internal gas sensors, one temperature sensor, one RH sensor, and one external particulate sensor (PNP-PM)

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

Power:
[1] Internal, rechargeable, 3.6V nickel hydride battery pack, plug-in 6VDC wall adapter/charger
[2] North America: 120V charger/adapter with North American wall outlet configuration
[3] International: 200-240V charger/adapter (customer must supply cord for their wall outlet configuration on one end with standard plug to IEC320-C13 socket on the other end. Same end utilized for computer cords)

Sample Mode: Internal, constant sampling pump, microprocessor monitored, pump or diffusion model available

Information Recording: 12-bit, multi-channel, user configurable with removable 2GB memory card, c/w interface cable and terminal software. Multiple sampling rates to select from plus a host of useful, functional features. Software tested for Microsoft® Windows operating systems including Windows 2000, XP, Vista, 7, 8, and 10
[1] > 1 million data points of data logging to a 2GB memory card; approximately 116 days of data logging @ 1-minute sample interval with seven sensors installed

Communication:
[1] Built-in miniature USB ports to accommodate:
   [a] Downloading interface cable (included)
   [b] Connecting remote probe/sensor (auxiliary)
   [c] Miniature wired web server (option)
   [d] Miniature wireless web server (option)
[2] Slot to accommodate small SD flash card for data logging purposes

Indicators:	Large, multi-line, backlit LCD digital display
Alarms:	Internal audible alarm (80 dB @ 4") with one set point. Can also be switched off through the menu
User Access:	[1] Lexan label with three push-button keypad for menu access and power on/off located on front panel [2] Air sample inlet, air sample outlet, power jack, USB ports and temperature/RH sensors (located on top cover)
Minimum Requirements for Data Logging Software:	[1] Personal computer [2] Pentium III class processor or better [3] 1 GB RAM or better [4] VGA monitor [5] Open COM port [6] Hard disk with at least 100 MB of available disk space. Additional space is required to store logger files and graph files. [7] Microsoft® Windows 2000, XP, Vista, 7, 8 or 10 required [8] Available USB port
Certifications:	CE: EN61010-1:1993, EN61000-4-2:1995, EN61000-4-3:2002, EN61000-6-1:2007, EN61000-6-2:2005 (pending). RoSH compliant
Specification Update:	August 28, 2018: This specification has been developed from data considered accurate at the time. No warranty is implied or suggested based on this data. We accept no responsibility for errors or omissions. Critical Environment Technologies Canada Inc. reserves the right to make design and specification changes without prior notice.

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