



EUROTEC

HVAC Business Unit

Newsletter

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Inside this issue:
 CETCI Indoor Air Quality Monitors
 CETCI FCS Controllers: cost effective solution for multiple sensor systems



SPOTLIGHT ON: Portable Indoor Air Quality Monitors



Critical Environment Technologies YESAIR handheld, battery powered monitors for indoor air quality.

YESAIR 8-Channel IAQ Monitor
 The YESAIR battery powered, portable air quality detection and data logging instrument, is designed for intermittent or continuous indoor air quality monitoring of temperature, RH, particulates and up to 5 gases. It is available in two models (Pump or Diffusion). Each can be configured as a multi-channel operation, with a selection of more than 30 different plug and play gas sensors, including a particulate sensor and an optional huge capacity data logging SD memory card.

- Multi-function, easy to use menu.
- Large graphic LCD display that shows readings for all sensors, battery level and logging status.
- Light weight, contoured & comfortable to hold.
- Gas sampling with an internal sample draw pump or by diffusion.
- Optional high-capacity data logging with 2BG SD memory card and software for collecting, analyzing and graphing data.
- RoHS compliant circuit boards.
- CE certified.

Areas of application include:
 Residential Buildings, Commercial Buildings, Hospitals, Schools, Airports & Research Facilities



Key Features

- Capacity for 1 temperature, 1 RH sensor and 5 internal gas sensors, plus 1 externally mounted particulate sensor.
- More than 30 plug & play sensors available to choose from, including electrochemical, catalytic, infrared & PID, particulate.



View the infosheet on our website for more information on the YESAIR Sensor Location Restrictions.

[Visit Website](#)

YES IAQ Sensor Location Restrictions

Of the five plug and play sensors, the YESAIR can only accommodate three electrochemical, two infrared, PID or catalytic sensors and one external particulate monitor. Please see table below.

YESAIR Sensors	Qty
Internal Sensors	
Temperature	1
Relative Humidity	1
Electrochemical	3
Infrared, PID TVOC and/or Catalytic (one TVOC sensor only)	2
External Sensors	
Particulate Sensor PM2.5 or PM10	1
Total number of Sensors	8

YESAIR Incubator Verification Monitor

Handheld IAQ monitor and data logging instrument, designed for accurate monitoring of CO₂, O₂, temperature and RH in incubators.

The YESAIR uses a remote sample probe that enters through the port on the door or side of the incubator and provides a direct reading of the CO₂ (and O₂ if installed) levels inside the chamber. Coupled with the 3-point calibration standard, and the use of an infrared sensor, the CO₂ sensor offers stable and accurate measurement readings of the CO₂ levels.

Incubators are maintained at fairly high temperatures and are required to sustain a high relative humidity.



The YESAIR has built in sensors at the tip of the secondary probe to sample temperature and RH to confirm the internal chamber readings.



Key Features

- Stable infrared CO2 sensor technology, available with O2 sensor also.
- Remote sample probes for easy entry into incubator port.
- Large graphic LCD display with a multi-function, easy to use menu.
- Light weight, contoured & comfortable to hold.
- Comes with rechargeable batteries and AC adapter/charger.
- Optional high capacity data logging with 2GB SD memory card and software for collecting, analyzing and graphing data.
- RoHS compliant circuit boards.
- CE certified.

Areas of application include:

Hospitals, Laboratories, IVF Facilities, Poultry Incubators, Infant Incubators, Bacteriological Incubators & Biomedical Research Facilities

For more information on the YESAIR IAQ Monitors, contact your local Eurotec HVAC Sales Engineer or give us a call on 09 579 1990 or email sales@eurotec.co.nz



Product Showcase CETCI FCS Multi Channel System Controllers



The FCS Flexible Control System is a sophisticated, high performance controller that offers multi-channel configurations for monitoring toxic, combustible and refrigerant gases with versatile control functionality for non-hazardous, non-explosion rated, commercial and light industrial applications.

For systems with multiple sensors the FCS offers a cost effective solution with pre-configured controllers and sensors.



Applications

- Enclosed Parking Facilities
- Recreation Facilities
- Food Processing Plants
- Cold Storage / Freezer Rooms
- Refrigeration Plants
- Chemical Storage Rooms and more!

Key features

- Available in 4 channels, 8 channels, 32 channels and 128 channels
- FCS-M models offer Modbus® RTU RS-485 digital output signal for LAN and WAN communications
- FCS-B models offer BACnet® MS/TP RS-485 output signal for WAN communications (for communicating with a BAS)
- Graphic, full colour, resistive touch LCD screen with LED indicators
- Optional internal analog inputs and/or analog outputs with flexible configuration settings

- Enhanced logic control, zoning and priority structure capabilities
- Supports 4-20 mA and Modbus® driven VFDs
- 4 dry contact relays, 5A @ 240V each
- 2 dedicated horn/strobe output drives, 0.5A @ 24VDC max
- Line Voltage (90 - 240 VAC)
- USB port for firmware upgrades and data logging
- Configurable to comply with California Title-24 Energy Efficiency Standards
- Door mounted audible alarm, optional water tight version available
- Standard water / dust tight, corrosion resistant enclosure (drip proof); IP54 rated with water tight, door mounted audible alarm installed

Contact your local Eurotec HVAC Sales Engineer for more information

Contact Eurotec:

EUROTEC

AK: 09-579-1990

CH: 03-366-0017

WLG: 04-499-3591

Email us: sales@eurotec.co.nz

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