Incubator Verification Chambers

YESAIR IAQ Monitor with CO_2, RH & Temperature

Peace of mind.
Guaranteed.

Verifying and monitoring the air quality in incubator labs

The YES AIR, handheld gas monitor provides a quick, easy and accurate way to monitor CO_2 in incubators used in biomedical research facilities, IVF, laboratories and other medical applications. The special environment required to promote optimal growth of cell cultures and tissue samples requires a delicate and consistent combination of CO_2, O_2, temperature and humidity.

While most incubators are equipped with a built-in monitoring system, it is advisable to double-check the measurements on a routine basis to verify that the levels shown by the internal monitoring system are correct. The YES AIR 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 CO_2 (and O_2 if installed) levels inside the chamber. Coupled with our 3-point calibration standard, and the use of an infrared sensor, the CO_2 sensor offers stable and accurate measurement readings of the CO_2 levels.

Incubators are maintained at fairly high temperatures and are required to sustain a high relative humidity. The YES AIR has built in sensors at the tip of the secondary probe to sample temperature and RH to confirm the internal chamber readings.

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KEY FEATURES

- Stable infrared CO_2 sensor technology
- Remote sample probes for easy entry into incubator port
- Large graphic LCD display with a multi-function, easy to use menu
- Lightweight, contoured and comfortable to hold
- Sensors and monitoring instrument in one device
- Data logging (optional)

Includes monitor with pump, remote sampling probe to measure target gas, remote sampling probe to measure temperature and RH, calibration tubing, three "AA" NiMH rechargeable batteries, AC adapter and battery charger in a hard plastic carrying case.

PART CODES

1540-0009	YESAIR CO_2 (0-20%), pump, comes with remote sample probes for temperature, RH, CO_2, no datalogging
1540-2009	YESAIR CO_2 (0-20%) and O_2, pump, comes with remote sample probes for temperature, RH, CO_2, O_2, no datalogging

TECHNICAL SPECIFICATIONS

MECHANICAL

Enclosure	Rugged ABS / Polycarbonate, UL94 rated
Weight	567 g / 20 oz
Size	197 mm x 78 mm x 98 mm 7.8 in x 3.1 in x 3.9 in
Case (included)	Hard plastic storage / carrying case with foam lining

ELECTRICAL

Power	- Standard (included): Rechargable 3.6 V NiMH battery pack with plug-in battery charger / wall adapter (100 - 240 V, 50 - 60 Hz) - Optional (not included): Alkaline AA batteries x 3
Sampling	Pump Model: Internal sample pump automatically draws in sample of target environment
Memory	> 1 million data points data logging to optional SD flash card optional
Calibration	Automated through keypad
Information Recording	12 bit, multi-channel, user configurable with 2GB SD memory card slot Optional: YES Logger package with 2GB SD memory card, card reader, USB cable and YES Viewer Software
Communication	Miniature USB port for changing settings and configuring logging functions
Audible	Internal 80 dB @ 1.2 m (4 ft) One set point adjustment 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 standards for safety: I.S. EN 61010-1:2001 (Ed.2)
CE standards for emissions: EN 50270:2006
CE Standards for immunity: EN 50270:2006

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ACCESSORIES

YES-AIR LGR PKG	YES Logger Package: 2GB SD memory card, card reader, USB cable and YESViewer Software