

CO₂ RESPONDER

Portable Carbon Dioxide Detector



GasAlertMicro 5 IR

Key Features

- Smaller and lighter than competitive instruments
- Water-resistant design in an integral concussion-proof enclosure
- Large LCD allows for easy-to-read monitoring
- Integral motorized pump for remote sampling and fast response
- AA battery powered for easy replacement. No expensive, hard-to-find rechargeables
- 95 dB alarm tone, bright LED alarm bars, & internal vibrating alarm for noisy areas
- Auto backlight: activates in low light & when in alarm
- Four alarm levels: instantaneous Low Alarm, High Alarm, TWA and STEL
- Records TWA, STEL, and max exposures to gas & displays readings on command
- User selectable options: confidence beep, set calibration due date, latching alarm
- Full function self-test of: sensor, battery, circuit integrity and audible/visual alarms

Industrial strength CO₂ detection from 0 to 50,000 ppm.
Infrared. Lightweight. Reliable.

The CO₂ Responder utilizes infrared sensor technology for the most accurate and reliable performance. The highly selective infrared sensor guarantees only CO₂ gas is detected with no chance of false readings from other interference gases.

The compact and lightweight CO₂ Responder comes loaded with features. Auto-backlit LCD, four alarm levels and max exposure levels, just to name a few. The display is user configurable to display CO₂ readings in either PPM or %.

With it's the motorized integral sampling pump, response times are extremely fast. The CO₂ Responder can be a useful tool for indoor air quality monitoring and CO₂ leak detection for quickly determining dangerous levels of CO₂.

Applications

- Food Processing
- Wineries
- Breweries
- Bottling
- Greenhouses
- Indoor Air Quality
- Industrial Hygiene
- Refrigeration Systems
- Gas Bottling Plants
- Produce Storage

Accessories included

- Integral motorized pump
- Sampling wand
- Sampling tubing
- AA battery pack
- Spare AA battery set
- Hard carrying case
- User manual

CO₂ RESPONDER

Equipped with one of the largest LCD's, the **CO₂ Responder** is still smaller and lighter than the competitors' models.

The **CO₂ Responder** comes equipped with an integral motorized pump. Audible, visual and vibrator alarms activate in the event of a low, high, TWA or STEL alarm condition. Other standard features include automatic calibration, full function self-test, user selectable confidence beep, stealth mode, backlight options, selectable ppm resolution, STEL / TWA measurement choice, user-settable calibration gas concentrations and multi-language support.

Ordering Information

The **CO₂ Responder** is delivered ready for use with IR-CO₂ sensor, and integral motorized pump, AA alkaline battery set, spare AA alkaline battery set, sampling wand and hose (5 ft), stainless steel alligator belt clip, instructions and a rugged hard-shell carrying case.



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SPECIFICATIONS

DUE TO ONGOING RESEARCH AND PRODUCT IMPROVEMENT, SPECIFICATIONS ARE SUBJECT TO CHANGE

BATTERY: 12 hours runtime on three AA alkaline cells (runtime dependent on backlight usage).

PUMP: Integral motorized rotary pump. Tubing length up to 100 ft. / 30 m (50 ft. / 15 m standard) with user options.

Clock: Real-time clock setting displayed on start-up.

Calibration due date: Days remaining until next calibration displayed on start-up.

SENSORS: Plug-in, IR (infrared) Carbon Dioxide
Range: 0-5% (0-50,000 ppm)

LCD: Continuous, alphanumeric gas readout and status display advises:

Backlight: Standard Mode: low light (auto); alarm condition (auto); reactivation on demand.

Alarm Only Mode: alarm condition (auto); reactivation on demand.

Stealth Mode: backlight inactive; audible and visual alarms silenced

ALARM INDICATORS: Clearly advises alarm conditions with audible, visual, and internal vibrator alarms.

Visual alarms: Two flashing alarm bars visible from all angles.

LCD indicates gas present and alarm levels encountered.

Audible alarm: Typically 95 dB at 1 ft. / 30 cm variable pulsed audible alarm.

Vibrator alarm: Pulses warning in gas alarm conditions, or for any status alarms.

Status alarms: Low battery, over range, multiple gas, pump and failed or missing sensor.

ALARM LEVELS: Instantaneous Low Alarm; Instantaneous High Alarm; TWA (time-weighted average) and STEL (short-term exposure limit).

Alarm setpoints: Displayed on activation and on demand.

TESTS: Full function self-test. Sensor integrity, circuitry, battery and audible/visual alarms on activation.

Battery: Continuous monitoring and display.

Sampling rate: Factory set at 5-second intervals and user-settable from 1 to 127-second intervals.

WARRANTY: Full 1-year warranty including sensors.

GENERAL SPECIFICATIONS: Rugged, composite material; two-shot molded polymer case with integral anti-shock boot.

Humidity: 0 - 95% RH (non-condensing).

Protection: Highly water-resistant and dust proof housing.

Size: 5.7 x 2.9 x 1.5 in.

Weight: 13.1 oz.

Auto zero: Yes.

Calibration: 6-month intervals.

Gas concentration: Simultaneously and continuously displays gas concentration(s) for all sensors (in ppm or % LEL).

Peak (max)/STEL/TWA ppm or %: Records exposures and displays on demand.

User field options: Confidence beep, set STEL period, force calibration on start-up, enable / disable sensor, pass code protection, latching alarms, span level, passed calibration user-lockout option, "SAFE" display function, stealth mode, fast pump, alarm only backlight mode, LCD language option, STEL calculation choice, TWA calculation choice, PID / combustible correction factor options, user-settable calibration gas level, high resolution, clock.