

GasAlertMicro 5 IR



Five-Gas Detector

GasAlertMicro 5 IR portable gas detector simultaneously monitors up to five atmospheric hazards including carbon dioxide (CO₂), oxygen (O₂), combustible gas (% LEL), and a wide selection of individual electrochemical toxic sensors. Compact and lightweight, GasAlertMicro 5 IR activates audible, visual and vibrating alarms in the event of a low, high, TWA or STEL alarm condition.



Optional rechargeable battery and slip-in cradle charger

- 0-5.0% v/v or 0-50,000 ppm measurement of CO₂ (carbon dioxide)
- Smaller and lighter than competitive instruments
- Water-resistant design with integral concussion-proof enclosure
- Continuous LCD shows simultaneous gas concentrations for five gases
- Integral motorised pump option for remote sampling
- Two power options: AA alkaline or rechargeable hot-swappable battery packs
- Provides 95 dB alarm tone and two bright wide-angled alarm bars
- Equipped with internal vibrating alarm for high noise areas
- Multi-language support in English, French, German, Spanish and Portuguese
- LCD backlight automatically activates on alarm, on demand and in low light conditions
- Four alarm levels: instantaneous Low and High Alarm for all gases;
- TWA (time-weighted average) and STEL (short-term exposure limit) for CO₂ and toxic gases
- Simple automatic calibration procedure; compatible with BW MicroDock II automatic test and calibration station
- Records TWA, STEL and maximum exposures to gas and displays readings on command



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Highly configurable to suit a range of applications, the GasAlertMicro 5 IR comes as a diffusion or pumped instrument with either alkaline or NiMH rechargeable hot-swappable battery pack and has optional datalogging capabilities. Standard features include confidence beep, automatic calibration, full function self-test and an extended selection of user-settable field options.

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SPECIFICATIONS

DETECTOR: 1, 2, 3, 4 or 5-gas detector

Gas	Measuring Range	Default Resolution	High Resolution	TWA*	STEL*	LOW*	HIGH*
O ₂	0-30.0%	0.50%	N/A	N/A	N/A	19.5	23.6
H ₂ S	0-500 ppm	1 ppm	0.1 ppm	10	15	10	15
CO	0-999 ppm	1 ppm	N/A	35	50	35	200
TwinTox (H ₂ S)	0-500 ppm	1 ppm	0.1 ppm	10	15	10	15
TwinTox (CO)	0-500 ppm	1 ppm	N/A	35	50	35	200
PH ₃	0-5 ppm	1 ppm	0.1 ppm	0.3	1.0	0.3	1.0
SO ₂	0-150 ppm	1 ppm	0.1 ppm	2	5	2	5
NO ₂	0-99 ppm	1 ppm	0.1 ppm	2.0	2.0	2.0	5.0
HCN	0.30 ppm	1 ppm	0.1 ppm	4.7	10.0	4.7	10.0
Cl ₂	0-50 ppm	1 ppm	0.1 ppm	0.5	1.0	0.5	1.0
NH ₃	0.100 ppm	1 ppm	0.1 ppm	25	35	25	50
ClO ₂	0-1.0 ppm	0.1 ppm	0.01ppm	0.1	0.3	0.1	0.3
O ₃	0-1.0 ppm	0.1 ppm	0.01 ppm	0.1	0.1	0.1	0.1
IR-CO ₂	0-50,000 ppm 0-5.0% v/v	50 ppm 0.1%	N/A	5,000 0.5%	30,000 3.0%	5,000 0.5%	30,000 3.0%
Combustible Gases	0-100% LEL 0-5.0% v/v	1%	N/A	N/A	N/A	10%	20%

* Note: alarm setpoints may vary by region

Auto zero:	Yes
Calibration:	Automatic
Backlight:	Low light [auto]; alarm condition [auto]; reactivation on demand
Sensor:	Infrared CO ₂ ; plug-in, electrochemical cell (toxic and oxygen); catalytic (LEL)
User field options:	Confidence beep, set STEL period, force calibration on start-up, enable / disable sensor, passcode protection, latching alarms, span level, passed calibration user-lockout option, "SAFE" display function, stealth mode, fast pump, oxygen auto-cal on start-up, alarm only backlight mode, combustible gas measurement (% LEL or % by volume methane), LCD language option, STEL calculation choice, TWA calculation choice, combustible correction factor options, CO ₂ measurement (ppm or %vol), user-settable calibration gas level, high resolution, clock
ALARM INDICATORS:	Clearly advises alarm conditions with audible, visual and 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
Vibrator alarm:	Pulses warning in gas alarm conditions or for any status alarms
Status alarms:	Low battery, over range, multiple gas, pump, failed sensor and missing sensor
ALARM LEVELS:	Instantaneous Low Alarm for all gases; Instantaneous High Alarm for all gases; TWA (time-weighted average) and STEL (short-term exposure limit) for toxics/CO ₂
LCD:	Continuous, alphanumeric gas readout and status display advises:
Peak (MAX)/STEL/TWA:	Records exposures and displays on demand
Alarm setpoints:	Displayed on activation and on demand
Calibration due date:	Days remaining displayed on start-up
Clock:	Real-time clock setting displayed on start-up
TESTS:	
Full function self-test:	Sensor integrity, circuitry, battery and audible/visual alarms on activation
Battery:	Continuous
GENERAL SPECIFICATIONS:	Rugged, composite material; two-shot molded polymer case with integral anti-shock boot
Operating temperature:	-4 to 122°F / -20 to 50°C [-4 to 104°F / -20 to 40°C for NH ₃]
Humidity:	0 - 95% RH (non-condensing)
EMI/RFI:	Complies with EMC Directive 89/336/EEC
Protection:	Highly water resistant and dust proof housing
Battery Options:	Up to 10 hours (typical) in diffusion mode with "hot-swappable" rechargeable or AA alkaline battery packs
Size:	5.7 x 2.9 x 1.5 in. / 14.5 x 7.4 x 3.8 cm
Weight:	13.1 oz. / 370 g
WARRANTY:	Full 2-year warranty including sensors (1 year on NH ₃ sensor)
DATALOGGER OPTIONS:	User-downloadable datalogger
Data recorder:	All events and occurrences (calibration zero adjustment, calibration span adjustment, gas readings, TWA, STEL, alarm condition, failures detected by the microprocessor).
Sampling rate:	Factory set at 5-second intervals and user-settable from 1 to 127-second intervals
Storage:	8 months of continuous data at 5 second intervals via memory card; when full, the wrap-around feature replaces oldest data with most recent data

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