

# GasAlertMicro 5 PID

VOCs (PID), H<sub>2</sub>S, CO, O<sub>2</sub>, SO<sub>2</sub>, PH<sub>3</sub>, NH<sub>3</sub>, NO<sub>2</sub>, HCN, Cl<sub>2</sub>, ClO<sub>2</sub>, O<sub>3</sub> and Combustibles



## Five-Gas Detector



GasAlertMicro 5 PID  
with integrally attached pump

Water  
Resistant



GasAlertMicro 5 PID  
Cleaning Kit

### Protect Yourself

- △ Smaller and over 50% lighter than competitive instruments
- △ Water-resistant design with integral concussion-proof enclosure
- △ Continuous LCD shows simultaneous gas concentrations for five gases
- △ 0 - 1000 ppm measurement of VOCs (Volatile Organic Compounds)
- △ Integral motorized 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 VOCs 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
- △ Complete range of user selectable options
- △ Full function self-test of: sensor, battery and circuit integrity; and audible/visual alarms



ATEX



and  
others

### Ordering Information

GasAlertMicro 5 PID is delivered ready for use complete with sensors, battery, stainless steel alligator clip, calibration cap/hose, 2 spare electrode stacks, instructions in local languages and interactive training CD.

#### Battery/Charger Options

Three AA alkaline batteries  
Rechargeable battery pack and desktop/wall mountable slip-in cradle charger

#### Datalogger Option

Datalogging versions include memory card, software and an IR port for use with the MicroDock II automated calibration and test station.

#### Pump Option

Includes detector, standard accessories plus integrally attached motorized pump and cover (installed), 12 in./30 cm sample probe with hydrophobic barrier (water trap) and particulate filters, 5 ft./1.5 m sampling tubing, five spare particulate filters and one spare water trap filter.

#### Value Added Confined Space Kits

Kits include detector, standard accessories plus a hard-sided, foam-lined carrying case, 10 ft./3 m sampling hose, sample probe, 34 L calibration gas cylinder(s) with regulator(s).

#### Accessories

MicroDock II—Automatic Calibration and Test Station  
Vehicle Charger      MMC/SD USB Reader  
Carrying Holster      Manual Aspirator Pump

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ISO  
ISO9001:2000  
Registered

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SO<sub>2</sub>, PH<sub>3</sub>, NH<sub>3</sub>, NO<sub>2</sub>, HCN, Cl<sub>2</sub>,  
ClO<sub>2</sub>, O<sub>3</sub> and Combustibles

## Five-Gas Detector

GasAlertMicro 5 PID portable gas detector simultaneously monitors up to five atmospheric hazards including volatile organic compounds (VOCs), oxygen, combustible gas (% LEL) and a wide selection of toxic gases. Compact and lightweight, GasAlertMicro 5 PID activates audible, visual and vibrating alarms in the event of a low, high, TWA or STEL alarm condition.

VOCs present multiple potential threats in the workplace environment. VOCs are characterized by their tendency to evaporate easily at room temperature and include substances such as solvents, paint thinners, benzene, butadiene, hexane, toluene, as well as vapors associated with fuels such as gasoline, diesel, heating oil, kerosene and jet fuel. The GasAlertMicro 5 PID's integrated photoionization detector (PID) enables sensitive broad spectrum monitoring of volatile organic contaminants.

Highly configurable to suit a range of applications, GasAlertMicro 5 PID 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.



### For further information:

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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 <sub>2</sub>	0-30.0%	0.50%	N/A	N/A	N/A	19.5	23.5
H <sub>2</sub> 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 <sub>2</sub> 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 <sub>3</sub>	0-5 ppm	1 ppm	0.1 ppm	0.3	1.0	0.3	1.0
SO <sub>2</sub>	0-150 ppm	1 ppm	0.1 ppm	2	5	2	5
NO <sub>2</sub>	0-99 ppm	1 ppm	0.1 ppm	2.0	5.0	2.0	5.0
HCN	0-30 ppm	1 ppm	0.1 ppm	4.7	10.0	4.7	10.0
Cl <sub>2</sub>	0-50 ppm	1 ppm	0.1 ppm	0.5	1.0	0.5	1.0
NH <sub>3</sub>	0-100 ppm	1 ppm	0.1 ppm	25	35	25	50
ClO <sub>2</sub>	0-1.0 ppm	0.1 ppm	0.01 ppm	0.1	0.3	0.1	0.3
O <sub>3</sub>	0-1.0 ppm	0.1 ppm	0.01 ppm	0.1	0.1	0.1	0.1
VOC	0-1000 ppm	1 ppm	N/A	50	100	50	100
Combustible gases	0-100% LEL 0-5.0% v/v	1%	N/A	N/A	N/A	10%	20%

Auto zero: Yes  
Calibration: Automatic  
Backlight: Low light (auto); alarm condition (auto); reactivation on demand  
Sensor: PID (VOC) 10.6 eV lamp; 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, PID / combustible correction factor options, user-settable calibration gas level, high resolution, clock

\*Note: alarm setpoints may vary by region

### ALARM INDICATORS:

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/VOCs

Continuous, alphanumeric gas readout and status display advises:

**LCD:**  
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:

Operating temperature: Rugged, composite material; two-shot molded polymer case with integral anti-shock boot  
14 to 104°F / -10 to 40°C VOC (PID); -4 to 104°F / -20 to 40°C NH<sub>3</sub>;  
-4 to 122°F / -20 to 50°C other gases

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: 12 hours on three AA alkaline cells or 10 hours on rechargeable "hot-swappable" battery pack when equipped with PID, oxygen, combustible and TwinTox (H<sub>2</sub>S/CO) sensors

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 PID lamp and NH<sub>3</sub> sensor)

### DATALOGGER OPTIONS:

Data recorder: User-downloadable datalogger  
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: 4.4 months of continuous data at 5 second intervals via memory card; when full, the wrap-around feature replaces oldest data with most recent data

DUE TO ONGOING RESEARCH AND PRODUCT IMPROVEMENT, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

**RATINGS AND CERTIFICATIONS:** Class I, Div. 1, Gr. A, B, C, D  
(Intrinsic safety) American Bureau of Shipping

**ATEX:** CE II 1 G T4  
EEx ia IIC T4  
**IECEx:** Ex ia IIC T4

Locally distributed by:

