



**Worker safety and gas monitoring is our business**

## MicroMAX Plus



**The MicroMAX Plus has many preset and field selectable alarms. The MicroMAX Plus has user selectable TWA or immediate alarm modes. Both audible and visual alarms warn the user if the oxygen levels are either too low or enriched, and when combustible gas or toxic gas levels are too high. The toxic gas alarms can be easily adjusted in the field from immediate to TWA. Alarms will also activate in case of sensor failure, low battery voltage, pump blockage or low air flow.**



Our unique microprocessor design allows for self diagnostics with each start up. MicroMAX Plus internally data logs individual channel alarms, TWA averaging and peak information. Review information with the push of the "Mode" button. Battery voltage and time are displayed continuously.

Calibration is easier than ever before-it's all automatic-no tools, screws or stopwatch required. Simply place in calibration "Mode", introduce calibration gas and wait for display indicating calibration is complete!-A NIMH rechargeable battery pack and 4-hour charger are now included with each monitor.

# Maintenance



## Technology for Safety

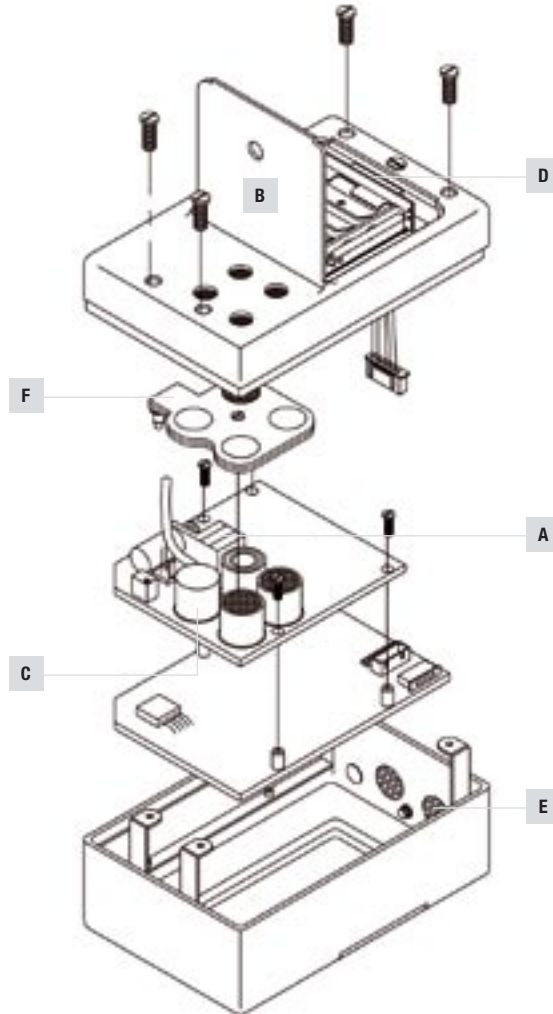
The only microprocessor controlled multi-gas monitor that has it all — easy to use, reliable, highest quality, economical, lightweight, shortest response time and a Lifetime Warranty!

Designed to provide personal safety, the MicroMAX Plus is OSHA compliant. Its rugged aluminum case provides superior RFI/EMI shielding, as well as dust, water and impact resistance. MicroMAX Plus is designed, tested and manufactured under strict ISO 9001 quality systems, and is UL classified and CSA certification (pending) intrinsically safe for use in Class I, II, III, Division 1, Groups A, B, C, D, E, F and G areas.

Worker safety is our business, and Honeywell Analytcs continually improves its gas detectors' quality and features. MicroMAX Plus simultaneously monitors 1 to 4 gases (5 with Combo-Tox™). Our popular internal pump models allow for easy pre-testing in confined spaces and provide almost instantaneous readings of gas concentrations.

## Features

- A** User selectable internal sampling pump/diffusion
- B** Non-intrusive battery compartment
- C** Interchangeable plug-in sensors
- D** Field interchangeable NiMH or alkaline batteries
- E** Loud 90 dB horn
- F** Hydrophobic filter
- G** Multi-use port (charger, data logging)
- H** Dust inhibiting particulate filter (inside inlet)
- I** 4-line "automatic" backlit display
- J** Rugged RFI/EMI resistant aluminum case
- K** Simple one-button operation
- L** Easy calibration
- M** LED alarm indicator
- N** Real-time clock
- O** Battery status



# Accessories



## Included Accessories

- Rubber boot with shoulder strap
- Rechargeable NiMH battery pack with overnight AC charger
- Alkaline battery holder
- 10' sampling hose with water trap and particulate filter

## Optional Accessories

- DC-to-DC vehicle charging adapter
- Aluminum or fiberglass search probes
- High-impact carrying case
- MPLUS DATALOG Windows (TM) data logging software and cable
- Calibration gases
- "Bump test" gases
- Confined space kits



# Specification



## MicroMAX Plus Specification

<b>Accuracy</b>	O2 0.5% by volume. Toxics 2 PPM or 10% of applied gas concentration. Combustible 2% LEL or 5% FS.
<b>Dimensions</b>	4.75" W x 3.00" H x 1.80" D.
<b>Weight</b>	17.6 oz.
<b>Operating Temperature</b>	-20°C to +50°C (-4°F to +122°F).
<b>Humidity Range</b>	0 to 95% (non-condensing).
<b>Power Sources</b>	Rechargeable NiMH battery pack or 4 AAA sized alkaline batteries.
<b>Battery Life</b>	NiMH: 13 hours. Alkaline: 10 hours.
<b>Pump Modes</b>	User selectable pump/diffusion operation. (Monitor will automatically change to diffusion mode if the pump should stop).
<b>User Selections</b>	Calibration.
<b>Supervisor Selections</b>	Date format, time and daylight savings, pump/diffusion, alarm types and auto zero mode. (Available on data logging software) - Language, immediate high and low alarm settings, data logging frequency, calibration gas levels and confidence beep change.
<b>Alarm Outputs</b>	Audible: >90 dB at 1'. Visual: Red LED flashing display characters.
<b>Immediate Alarms</b>	2 supervisor-programmable immediate alarms per channel.
<b>Data Logging</b>	2400 data points/channel with wrap-around memory. User selectable 1, 2, 3, 4, or 5 minute intervals (1 min. = 40 hours, 5 mins. = 200 hours).
<b>Repeatability</b>	±2%
<b>Approvals</b>	UL classified Class I, II, III, Division 1, Groups A, B, C, D, E, F, G. CSA pending.
<b>Warranty</b>	Lifetime. Excludes sensors, batteries and pump.

## Ordering Information

BASE UNIT	# OF SENSORS	GAS	Range
MPLUS-	5	<b>A</b> = Oxygen (O2)	0 - 40% by volume
	4	<b>B</b> = Combustible (LEL)	0 - 100%
	3	<b>C</b> = Carbon Monoxide (CO)	0 - 999 PPM
	2	<b>D</b> = Hydrogen Sulfide (H2S)	0 - 500 PPM
	1	<b>E</b> = Ammonia (NH3)	0 - 200 PPM
		<b>F</b> = Chlorine (Cl2)	0 - 20 PPM
		<b>H</b> = Sulfur Dioxide (SO2)	0 - 20 PPM
		<b>J</b> = Phosphine (PH3)	0 - 20 PPM
		<b>K</b> = Nitrogen Dioxide (NO2)	0 - 50 PPM
		<b>L</b> = Hydrogen Cyanide (HCN)	0 - 200 PPM
		<b>M</b> = ComboTox (CO & H2S)*	0 - 500 PPM



(Example: MPLUS-4ABCD 4-Gas Oxygen, Combustible, Carbon Monoxide and Hydrogen Sulfide)

### Note:

Please order sensors alphabetically. \*Counts as two sensors.

Product example only

As World leaders in gas detection solutions, Honeywell Analytics' Lumidor range is best placed to provide the most efficient, practical and cost-effective equipment. Wherever personal protection is required, you can rely on our equipment to provide practical solutions and to help keep your business running safely.

## The Lumidor range of portable gas detection



MicroMAX Pro



MicroMAX Plus



MicroMAX PID



Minimax XT



Minimax XP



Minimax X4

### MicroMAX range

With lifetime warranties\*, the MicroMAX range offers the most robust microprocessor controlled multi-gas monitors available. Providing all the personal gas protection features you require, MicroMAX monitors can handle the very toughest working conditions.

\*Lifetime warranty excludes sensors, batteries and pump.

### Minimax range

The Minimax range provides personal single and multi-gas protection and operational compliance in industrial environments. They are ideal for people working in areas that are not easily accessible and/or where fixed detection systems are not installed or not practical.



### Impact and Impact Pro

Impact and Impact Pro are ideal for providing personal protection against gases in tough environments, especially in confined spaces where entry and exit may be difficult. The Impact range provides easy and economical means of personal gas detection to meet compliance requirements. The Safelink Entrant/Attendant function ensures safe working practices are followed.



### Enforcer

The Enforcer helps you to easily (and cost-effectively) comply with regulations requiring the regular testing of instruments. Because it can calibrate Impact multi-gas monitors within less than two minutes, the instruments are always ready for use. It also reduces cost by avoiding the need for specialist knowledge and equipment, or sub-contracting to expensive third parties, which also adds delays.



### Safelink

Safelink adds an extra safety dimension, enabling two-way communication in difficult areas. Easy to use, the system links two Impact Pro multi-gas monitors together, allowing a co-worker in a confined space to be monitored remotely, as well as providing a way of exchanging messages.

### Find out more

[www.honeywellanalytics.com](http://www.honeywellanalytics.com)

### Customer business centre

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