



**Multi-gas detector with “voice” assist for added safety**

# MicroMAX Pro



## Included Accessories

- Rubber boot with shoulder strap
- Rechargeable NiMH battery pack with 4-hour charger
- Dust filter
- Alkaline battery holder 10' sampling hose with water trap and particulate filter
- MPRO-DATALOG Windows™ 95/98 compatible data logging software and interface cable



## Optional Accessories

- External vibrator alarm
- External earphone alarm
- Leather carrying case
- DC-to-DC vehicle charging adapter
- Aluminum or fiberglass search probes
- High-impact carrying case
- Calibration gases "Bump test" gases
- Confined space kits

## Version 5.0 upgrade

- Up to 24 calibration records stored 'in unit' for later download
- Calibration history reports generated
- Compatibility with most Windows™ platforms
- Easier, more functional, user interface with enhanced menus, toolbar, screen displays and calibration dialog

**The MicroMAX Pro is the best microprocessor controlled multi-gas monitor on the market today. It's the only monitor that has it all – easy to use, reliable, highest quality, economical, lightweight, shortest response time, built-in data logging, lifetime warranty\* – and now includes our newest innovation...**

Since worker safety is our business, Lumidor continually strives to improve its gas detector product line, and has done so with the addition of the voice message feature. Four languages (English, French, German and Spanish) are included with each monitor - just select the desired language. Every function, when activated, is accompanied with a voice message. Everything from immediate warnings to simple on and off functions are communicated verbally to the user. This feature is also very valuable in poorly lit situations. And, the language displayed on the new 4-line display is the same as the one selected for the voice.

## "Voice Assist"

"MicroMax Pro On"  
"Testing, Please wait"  
"MicroMax Pro Ready"  
"Pump On"....

The MicroMAX Pro is designed to provide the ultimate in personal safety. It's OSHA compliant, and has a rugged case that provides superior RFI/EMI shielding, as well as dust, water and impact resistance. Additionally, it is designed, tested and manufactured under strict ISO 9001 standards, and is UL classified for use in Class I, II, III Division I, Groups A, B, C, D, E, F, G.

The MicroMAX Pro combines diffusion and built-in internal sampling pump systems for simultaneously monitoring 1 - 5 gases. The popular internal pump allows for easy pre-testing in confined spaces and provides almost instantaneous readings of gas concentrations. In order to save power, the pump can be switched off and the diffusion mode will take over.

\* Lifetime warranty excludes sensors, batteries and pump



**Version 5.0**  
Firmware & Software Improvement



### User friendly talking the language of safety

The MicroMAX Pro has preset and field selectable alarms. Both audible and visual alarms warn the user if the oxygen levels are either too low or enriched, combustible gas is present or toxic gas levels are too high. The toxic gas alarms can be easily adjusted in the field from immediate to TWA. And, alarms are also activated in case of sensor failure, low battery voltage, pump blockage or low air flow.

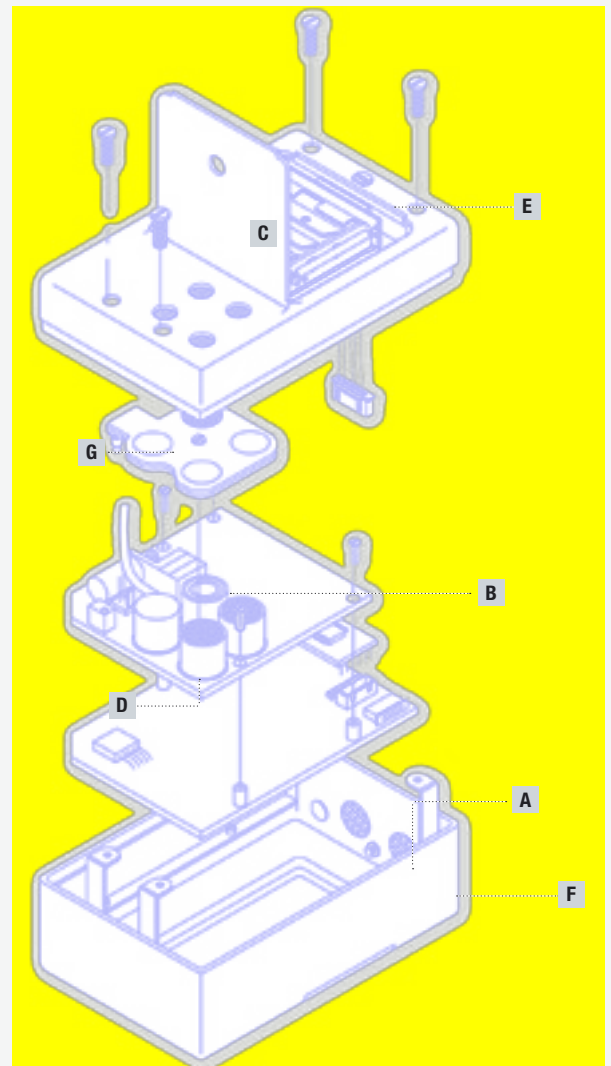
Our unique microprocessor design allows for self diagnostics with each start up. The MicroMAX Pro internally data logs individual channel alarms, TWA averaging and peak information. With a push of the "Mode" button you can review information, as well as customize user settings or initiate calibration.

All stored information is available for display, and meets OSHA documentation for employee awareness programs by simply downloading to a standard Windows™-compatible PC with Lumidor's MPRO-DATALOG software.

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 voice/display indicating calibration is complete!-A NiMH rechargeable battery pack and 4-hour charger are now included with each monitor.

### Features

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



| MicroMAX Pro Specification         |   |
|------------------------------------|---|
| <b>Accuracy</b>                    | O <sub>2</sub> 0.5% by volume. Toxics 2 PPM or 10% of applied gas concentration.<br>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 Range</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.<br>(Monitor will automatically change to diffusion mode if the pump should stop)  |
| <b>User Selections</b>             | Pump/diffusion, Voice Assist on/off, confidence beep, calibration   |
| <b>Supervisor Selections</b>       | Language, date format, immediate high and low alarm settings, data logging frequency, latching alarms, calibration gas levels, calibration intervals, combustible gas types, alarm types, calibration due display, auto zero mode |
| <b>Alarm Outputs</b>               | Audible: >90 dB at 1'. Visual: Red LED flashing display characters.<br>Voice: >72 dB at 1'  |
| <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<br>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.<br>Special Models with Australia SAA Certification<br>CSA pending   |
| <b>Warranty</b>                    | Lifetime. Excludes sensors, batteries and pump  |

| Ordering Information                  |                          |  |                   |
|---------------------------------------|--------------------------|--|-------------------|
| Base Unit                             | # Of Sensors             | Gas                                      | Range             |
| MPRO-                                 | 5                        | A = Oxygen (O <sub>2</sub> )             | 0 - 40% by volume |
|                                       | 4                        | B = Combustible (LEL)                    | 0 - 100%          |
|                                       | 3                        | C = Carbon Monoxide (CO)                 | 0 - 999 PPM       |
|                                       | 2                        | D = Hydrogen Sulfide (H <sub>2</sub> S)  | 0 - 500 PPM       |
|                                       | 1                        | E = Ammonia (NH <sub>3</sub> )           | 0 - 200 PPM       |
|                                       |                          | F = Chlorine (Cl <sub>2</sub> )          | 0 - 20 PPM        |
|                                       |                          | G = Chlorine Dioxide (ClO <sub>2</sub> ) | 0 - 10 PPM        |
|                                       |                          | H = Sulfur Dioxide (SO <sub>2</sub> )    | 0 - 20 PPM        |
|                                       |                          | J = Phosphine (PH <sub>3</sub> )         | 0 - 20 PPM        |
|                                       |                          | K = Nitrogen Dioxide (NO <sub>2</sub> )  | 0 - 50 PPM        |
| L = Hydrogen Cyanide (HCN)            | 0 - 200 PPM              |  |                   |
| M = ComboTox (CO & H <sub>2</sub> S)* | 0 - 500 PPM              |  |                   |
| N = Combustible (% by volume)         | 0 - 100% CH <sub>4</sub> |  |                   |

(Example: MPRO-4ABCD 4-Gas Oxygen, Combustible, Carbon Monoxide and Hydrogen Sulfide)  
NOTE: Please order sensors alphabetically. \*Counts as two sensors.



#### Find out more

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