

Lumidor Minimax XP

Honeywell

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**Extra protection from  
a single gas detector**

# Minimax XP



## Tough Durable Housing

- Small and lightweight
- Rugged, impact and weather resistant
- Includes crocodile clip - clips anywhere to prevent accidental loss

## Easy to Use

- Works straight out of the box
- Single button on/off operation
- Intuitive icons suitable for all languages
- User configurable via menu
- Interactive product training guide available

## Ultra Clear Backlit Display

- Continuous reading of gas levels
- TWA/STEL and two instantaneous alarm levels with peak hold facility
- Battery life, calibration and self-test status

## Effective Gas Alarm Indication

- Alarm and backlight combine to demand attention
- Distinctive 95dB two-tone audible alarm
- Vibrating alarm supplied as standard

## Reliable Operation

- Self-test on start up or on demand checks display, battery, sensor, audiovisual and vibrating alarms
- Uses patented #SureCell™ and † Reflex™ sensor technology
- Includes TempraSURE™ thermal compensation and shock protection
- Periodic flash and/or beep for increased confidence

## Unsurpassed EMC/RFI Performance

- No false alarms due to walkie talkies or cell phones
- Exceeds the toughest industrial standards for RFI immunity

## Cost Effective

- Fully inclusive 2 year warranty
- Cell decay compensation enables up to 12 months between calibrations (H<sub>2</sub>S/CO only)
- Replaceable sensor and battery
- Minimum 2 year sensor life
- Typical 3 year battery life\* (low battery warning)
- Initial and on-going running costs minimized

**XP is making it really personal!**  
**The Minimax XP is all about preferences. It delivers advanced, full feature functionality, user configurability with cost effective serviceability for a wide range of toxic gases. The market demands more than small size and good looks in a new generation single gas monitor.**

A compact and rugged design, maintenance that's easy while providing simple operation is essential. With loud, ultra-bright audiovisual alarm, XP demands attention when gas is detected. For noisy environments, a built-in vibrating alarm is supplied as standard.

XP delivers all of the above while still ensuring reliable, accurate readings and no false alarms from radio frequency interference (RFI). In addition XP provides continuous gas readings, TWA/STEL and two instantaneous alarms with peak hold facility.

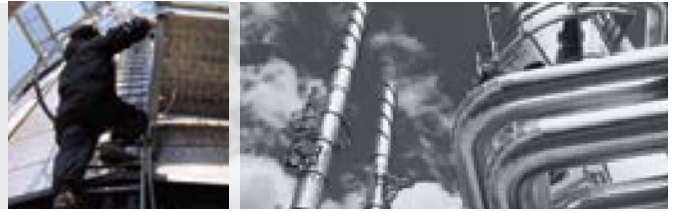
By using #SureCell™ sensors with TempraSURE™ Thermal Shock Correction and Reflex™ Sensor Protection, XP ensures improved accuracy and reliability in adverse operating conditions.

Maintenance could not be easier. Built-in Cell Decay Compensation extends the time between calibrations to 12 months. With typical sensor life in excess of two years and three year battery life\*, operational costs are minimized. Batteries and sensors can be easily replaced by the user.

Alternatively, Lumidor offers a wide range of service programs to meet our customer needs.



# General specification



Standard Specification					
Gases Detected	Range	Level 1	Alarm Set Points		
			Level 2	STEL	TWA
Oxygen (O <sub>2</sub> )	0 to 30% v/v	23.5% v/v	19.5% v/v	n/a	n/a
Carbon Monoxide (CO)	0 to 999 ppm	35 ppm	100 ppm	400 ppm	35 ppm
Hydrogen Sulphide (H <sub>2</sub> S)	0 to 250 ppm	10 ppm	15 ppm	15 ppm	10 ppm
Sulphur Dioxide (SO <sub>2</sub> )	0 to 150 ppm	2 ppm	5 ppm	5 ppm	2 ppm
Chlorine (Cl <sub>2</sub> )	0 to 50 ppm	0.5 ppm	1 ppm	1 ppm	0.5 ppm
Hydrogen Cyanide (HCN)	0 to 100 ppm	5 ppm	10 ppm	10 ppm	5 ppm
Nitrogen Dioxide (NO <sub>2</sub> )	0 to 150 ppm	3 ppm	5 ppm	5 ppm	3 ppm
Ammonia (NH <sub>3</sub> )	0 to 100 ppm	25 ppm	50 ppm	35 ppm	25 ppm
Hydrogen (H <sub>2</sub> )	0 to 999 ppm	100 ppm	500 ppm	n/a	n/a

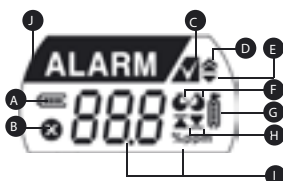
Construction	
General	Serviceable, portable single gas monitor for personal protection against Oxygen and toxic gas hazards
Calibration	Time between calibrations is maximized utilizing cell decay compensation facility. The maximum time between calibrations is 12 months
Operating Life	Sensor (replaceable) Minimum of 2 years Battery (replaceable) 3 years*
Operating Temperature	-20°C to +50°C (-4°F to +122°F) (temperature compensated)
Humidity	5-95% RH (non-condensing)
Audible Alarm	95dB @ 10cm (3.9")
Visual Alarm	High intensity Red LEDs
Vibrating Alarm	Standard
Display	Ultra clear backlit LCD displays gas levels & instrument status
Sensor Type	Electrochemical (replaceable)
Battery Type	Lithium CR2, 3.0v (replaceable)
Diagnostics	Self-test of circuitry, battery, LCD, and software. Sensor test using patented Reflex sensor technology

Environmental	
IP Rating	IP54 (minimum)
Intrinsic Safety	North America: Class 1, Div 1, Groups A, B, C, D, T4 (UL/cUL) Europe: II 2G EEx ia IIC T4 (ATEX)
RFI/EMC	CE EN50270:1999 and EN55011
Dimensions	93mm (H) x 50mm (W) x 27mm(D) (3.6" x 2" x 1.1") excluding clip
Weight	Toxic 81.5g (2.8oz) Oxygen 93.0g (3.3oz)

\*Operating Life may be reduced by excessive alarms <sup>1</sup>Reflex not available on all sensors <sup>2</sup>H<sub>2</sub>/CO only

## Display Details



- (A) Battery
- (B) Fail
- (C) Self-test pass icon
- (D) Level 1: O<sub>2</sub> and toxics  
Level 2: Toxics
- (E) Level 2: O<sub>2</sub>
- (F) STEL/TWA alarm
- (G) Cal. Status icon
- (H) Low peak (O<sub>2</sub>), High peak (O<sub>2</sub> and toxics)
- (I) Gas concentration and units
- (J) Alarm icon

\* Oxygen detection products must only be used to detect oxygen depletion in air.

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 +



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.

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