Lumidor Minimax XP

A configurable single-gas detector with many sensor options

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.

Tough Durable Housing
- Small and lightweight
- Rugged, impact and weather resistant
- Includes alligator-style belt clip

Easy to Use
- Works straight out of the box
- Single button on/off operation; up/down button for configuration/review
- 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 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 RF immunity

Cost Effective
- Fully inclusive 2 year warranty
- Cell decay compensation enables up to 12 months between calibrations (H_2S/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

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.
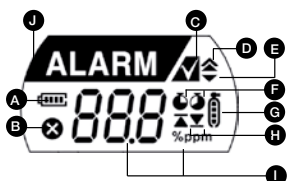
General specification

Standard Specification

Gases Detected	Range	Alarm Set Points Level 1	Level 2	STEL	TWA
Oxygen (O_2)	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_2S)	0 to 250 ppm	10 ppm	15 ppm	15 ppm	10 ppm
Sulphur Dioxide (SO_2)	0 to 150 ppm	2 ppm	5 ppm	5 ppm	2 ppm
Chlorine (Cl_2)	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
Phosphine (PH_3)	0 to 2 ppm	0.3 ppm	1 ppm	1 ppm	0.3 ppm
Ammonia (NH_3)	0 to 100 ppm	25 ppm	50 ppm	35 ppm	25 ppm
Ammonia (NH_3)	0 to 400 ppm	35 ppm	50 ppm	35 ppm	25 ppm

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: EEx ia IIB T4 (CENELEC) 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 †Reflex not available on all sensors #H_2S/CO only

Display Details

A	Battery	F	STEL/TWA alarm
B	Fail	G	Cal. Status icon
C	Self-test pass icon	H	Low peak (O_2), High peak (O_2 and toxics)
D	Level 1: O_2 and toxics Level 2: Toxics	I	Gas concentration and units
E	Level 2: O_2	J	Alarm icon

Honeywell Analytics Lines of Business

Commercial

Vulcain-brand gas detection from stand-alone units to fully engineered, multi-point systems, all offering cost-effective regulatory compliance

» Applications: parking structures, chillers, mechanical rooms, office towers, commercial buildings, shopping centers, swimming pools, golf courses, schools and universities, laboratories

Industrial

Renowned Sieger and Manning gas detection systems with advanced electrochemical, infrared and open path sensing technologies

» Applications: oil and gas, cold storage, water/wastewater treatment, chemicals, engine rooms, plastics and fibers, agriculture, printing and light industrial

Portables

Single or multi-gas Lumidor and other premium detectors with compact, lightweight designs ranging from simple alarm only units to advanced, fully configurable and serviceable instruments

» Applications: underground utility and electricity ducts, boiler rooms, post-fire sites, sewers, industrial plants, industrial hygiene, first responder teams, remote fleets

High Tech/Government

A complete portfolio of gas and chemical detection instrumentation including infrared spectroscopy (MST) with no cross interference, to Chemcassette paper-based solutions (MDA Scientific) offering detection down to parts per billion

» Applications: semiconductor manufacturing and nanotechnology, aerospace propulsion and safety, specialty chemicals industry, research laboratories, emergency response

Technical Services

24/7 global network includes post-sales service and Systems Integration teams

» Emergency call out, service contracts, on/off-site repair, training and commissioning
» Complete range of spares, consumables and accessories

Find out more

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