



ONE TO SIX GAS PORTABLE MONITOR

Gas Detection For Life

EAGLE 3 Model



Features

- Monitor up to 6 different gases
- PPM, % LEL, or % Vol. auto-ranging combustibles
- EC / PID / TC / CAT / IR Sensor technologies
 - Standard 4 Gases (LEL, O2, H2S, CO)
 - Toxic Gases
 - 10.6 eV, 10.0 eV and 11.7 eV PID
- Optional dual pump version available
For inert applications requiring dilution and can accommodate both positive and negative pressure atmospheres
- Powerful long-life pump up to 125' range
- Low flow pump shut off and alarm
- Methane elimination for environmental use
- Li-ion rechargeable battery pack
- Internal hydrophobic dust filter
- External probe with hydrophobic filter
- RFI / EMI / chemical / weather resistant enclosure
- Intrinsically safe design
- Datalogging standard
- Bluetooth communication

The EAGLE 3 is a powerful solution for just about any portable gas monitoring situation. Equipped with features that are not available on competitive units, the EAGLE 3 does more than standard confined space protection for LEL, O2, H2S and CO.

The EAGLE available features include a PID sensor for detecting high or low ppm levels (0-50 & 0-2,000) of VOC gases; % volume capability for CH4 and H2 using a TC (thermal conductivity) sensor; PPM or LEL hydrocarbon detection at the push of a button; infrared sensors for CO2 (ppm or % volume), methane or hydrocarbons in LEL and % volume ranges; methane elimination feature for environmental applications; and a variety of super toxic gases. The EAGLE 3 has a strong internal pump with a low flow auto pump shut off and alarm, which can draw samples from up to 125 feet. This allows for quick response and recovery from distant sampling locations. A variety of accessories are also available to help satisfy almost any application such as long sample hoses, and dilution fittings, just to name a few. Datalogging and Bluetooth communication are available features for all sensors on all versions.

The EAGLE 3 offers easy access to controls such as auto calibration, alarm silence, demand zero, peak hold, and methane elimination. Each channel has two alarm levels plus TWA and STEL alarms for toxic channels. The two alarm levels are user adjustable and can be latching or self resetting.

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Enclosure	Weatherproof resistant, RFI / EMI coated high impact polycarbonate-PBT blend. Can operate in 2.0" of water without leakage. Ergonomically balanced with rugged top mounted handle. Water & dust resistant equivalent to IP64.	Standard Confined Space Gases	
		Gas Detected	Detection Range
Dimensions	10.4" L x 4.6" W x 6" H	Combustible Gases (Methane as standard)	0 - 100% LEL
		Oxygen (O2)	0 - 40.0% vol.
Weight	3.5 Lbs	Carbon Monoxide (CO)	0 - 2000 ppm
		Hydrogen Sulfide (H2S)	0 - 200.0 ppm
Detection Principle	Catalytic combustion, Electrochemical cell, Infrared, Photoionization detector, and Thermal conductivity	PID Sensors	
		VOC	0 - 40,000 ppb 0 - 4,000 ppm
Sampling Method	Powerful, long-life internal pump (over 6,000 hours) can draw samples over 125 feet. Flow rate approximately 2.0 SCFH.	Hydrogen Specific	
		Hydrogen (H2)	0 - 100% LEL 0 - 40,000 ppm
Display	Graphic LCD type display. Capable of displaying up to 6 channels simultaneously. Backlit and viewable in outdoor sunlight	TC Sensors	
		Methane (CH4)	0 - 100% Vol.
Alarm Method	Buzzer 90 dB at 30 cm, four high intensity LED's.	Hydrogen (H2)	0 - 100% Vol.
		IR Sensors	
Controls	4 External glove friendly push buttons for operation, demand zero, and auto calibration. Buttons also access LEL/ppm, alarm silence, peak hold, TWA/STEL values, battery status, conversion factors, and many other features.	Carbon Dioxide (CO2)	0 - 10,000 ppm 0 - 5% Vol. 0 - 60% Vol.
		Methane (CH4)	0 - 100% LEL 0 - 100% Vol.
Bluetooth communication	BLE for iOS and Android Phones	Hydrocarbons	0 - 100% LEL 0 - 100% Vol.
Power Source	Li-ion rechargeable battery pack	Toxic Sensors	
Continuous Operation	30 hours (Standard 4-gas version)	Ammonia (NH3)	0 - 75 ppm
Battery charging	AC / DC charger included. 8 hours for full charge.	Carbon Monoxide (CO)	0 - 150 ppm
Operating Temp. & Humidity	-20°C to 50°C (-4°F to 122°F), 0 to 95% RH, non-condensing.	Carbon Monoxide (H2 comp)	0 - 2000 ppm
Environmental	IP-64	Chlorine (Cl2)	0 - 1.50 ppm
Response Time	30 Seconds to 90% (for most gases) using standard 5 ft hose.	Chlorine Trifluoride (ClF3)	0 - 0.300 ppm
Safety Rating	Intrinsically Safe, Class I, Div I, Groups A, B, C, D. <i>Pending Approvals: CSA / CE / ATEX / IECEx</i>	Disilane (Si2H6)	0 - 15.0 ppm
Standard Accessories	Shoulder strap, hydrophobic probe, and 5 foot hose, internal hydrophobic filter, charger and cable for datalogging	Fluorine (F2)	0 - 3.00 ppm
Optional Accessories	<ul style="list-style-type: none"> Dilution fitting (50/50) Extension hoses 	Hydrochloric Acid (HCL)	0 - 6.00 ppm
Warranty	Two year material and workmanship, one year for PID sensor. (Two months for 11.7 PID sensor)	Hydrogen Bromide (HBr)	0 - 6.00 ppm
		Hydrogen Cyanide (HCN)	0 - 15.0 ppm
		Hydrogen Sulfide (H2S)	0 - 1000 ppm
		Nitrogen Dioxide (NO2)	0 - 15.0 ppm
		Nitric Oxide (NO)	0 - 100 ppm
		Ozone (O3)	0 - 0.600 ppm
		Phosphine (PH3)	0 - 1.00 ppm
		Silane (SiH4)	0 - 15.0 ppm
		Sulfur Dioxide (SO2)	0 - 100.0 ppm

Specifications subject to change without notice.



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