

ONE TO SIX GAS PORTABLE MONITOR

Gas Detection for Life

Eagle 2 Model



Features

- Monitor up to 6 different autoranging gases
- PPM / LEL hydrocarbon detection
- PID (Photo Ionization Detector) low and high range for VOC detection
- Infrared Sensors available for CO₂, % LEL CH₄, % Vol. CH₄, % LEL HC, % Vol. HC
- TC (Thermal Conductivity) sensor available for % Vol. H₂ or % Vol. CH₄
- Plug and play, smart toxic sensors
- Hundreds of configurations
- Displays in 5 languages
- Powerful long-life pump up to 125' range
- Low flow pump shut off and alarm
- Methane elimination for environmental use
- Alkaline 16 hours or Ni-MH 20 hours capability
- Password protection
- Datalogging standard
- IrDA communications port
- Autocalibration
- Internal hydrophobic dust filter
- External probe with hydrophobic filter
- Ergonomic RFI / EMI / chemical / weather resistant enclosure
- Intrinsically safe design, CSA approval

RKI is proud to offer the next generation of our popular EAGLE portable gas detector. Equipped with features that are not available on competitive units, the EAGLE 2 is a powerful instrument that does more than just offer the standard confined space protection for LEL, O₂, H₂S and CO.

The EAGLE 2 features include a PID sensor for detecting high and low ppm levels (0-50 & 0-4,000) 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, methane or hydrocarbons in LEL and % volume ranges; methane elimination feature for environmental applications; and a variety of super toxic gases and measurable ranges.

The EAGLE 2 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. The EAGLE 2 will continuously operate for over 16 hours on alkaline batteries or 20 hours on Ni-MH. A variety of accessories are also available to help satisfy almost any application such as long sample hoses, special float probes for tank testing, and dilution fittings, just to name a few. Datalogging is a standard feature for all sensors on all versions. With its ergonomic design and large glove friendly buttons, the EAGLE 2 offers easy access to controls such as autocalibration, alarm silence, demand zero, peak hold, methane elimination, and a wide variety of other features.

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. Rugged, reliable, easy to operate and maintain, the EAGLE 2 is the solution for just about any portable gas monitoring situation. Also, the display can be set to any of 5 languages: English, French, German, Italian, or Spanish.



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Gas Detected	All Combustible gases (Methane as standard)	% Volume Methane *	Oxygen (O2)	Hydrogen Sulphide (H ₂ S)	Gases & Detectable Ranges Carbon Monoxide (CO)
Detection Principle	Catalytic Combustion	Thermal conductivity	Galvanic cell	Electro-chemical cell	Electro-chemical cell
Detection Range (Increments)	0 – 100% LEL	0 - 100% Vol	0 – 40.0% Vol	0 – 100 ppm	0 – 500 ppm
Sampling Method	Internal sample pump, flow rate 0.5 lpm				
Display	Digital LCD, auto backlight during alarm				Toxics
Present Alarms (User Adjustable)	1st alarm 10% LEL 2nd alarm 15% LEL Over alarm 100% LEL	N/A	Low alarm 19.5% High alarm 23.5% Over alarm 40.0%	1st alarm 10 ppm 2nd alarm 15 ppm TWA alarm 10 ppm STEL alarm 15 ppm Over alarm 100 ppm	1st alarm 30 ppm 2nd alarm 60 ppm TWA alarm 30 ppm STEL alarm 60 ppm Over alarm 500 ppm
Present Alarms (User Adjustable)	Gas Alarm: flashing lights, intermittent buzzer and vibration, automatic backlighting Trouble Alarm: flashing lights, intermittent buzzer and vibration, automatic backlighting				IR Sensors
Display of Alarms	Gas Alarm: 2 step alarm, STEL, TWA and OVER Trouble Alarm: sensor connection, low battery, circuit trouble and calibration error				
Special Functions	Manual back light LCD (Automatic at alarm) STEL, TWA Peak hold Continuous display of current time Autocalibration or single calibration		Datalogging (up to 600 hours) Alarm trend data for last 8 alarms Direct charging in just 90 minutes Calibration reminder and lock out	PID Sensors 0 - 2,000 ppm 0 - 50 ppm	
Operating Temp & Humidity	-20°C ~ to +50°C, 0 to 97% RH, non-condensing (splash resistant)				
Response Time	Within 30 seconds (T90)				
Continuous Operation	10 hours fully charged (without any alarm)				
Power Source	Ni-MH battery pack, direct or separate charge (standard) <i>The Eagle can be configured with up to 6 gas sensors from the above list</i>				
Safety Design/Approvals	Intrinsically safe design, CSA, C/US approved (Pending, CSA file No. 486748-2560028218)				
Dimension & Weight	Approx 171 (H) x 65 (W) x 39 (D) mm, approx 312g				
Case Material	Dust & weather resistant. RFI shielded high impact plastic				
Controls	Five buttons: POWER/ENTER, DISPLAY, AIR, RESET, SHIFT				
Standard Accessories	Strap Probe	Charger Ni-Cad battery pack	Rubber boot		
Optional Accessories	Datalogging software	Docking station	Sampling pipe		
Warranty	One year material and workmanship				

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Methane (CH ₄)	0 - 100% Vol
Hydrogen	0 - 100% Vol 0 - 10% Vol