



INSTRUMENTS

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
- IR 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
- Multi-lingual (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 18 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. Detection combinations never before offered in a portable gas monitor are now available featuring the industry's widest selection of high quality, long life and field proven sensors. The EAGLE 2 now includes PID (Photo Ionization Detector) capability. Conversion factors for a variety of common gases are programmed into the EAGLE 2 for both the PID sensor and LEL/PPM catalytic sensor.

Unique EAGLE 2 features include PPM or LEL hydrocarbon detection at the push of a button; infrared sensors for CO₂, methane or hydrocarbons in LEL and % volume ranges; PID sensor for detecting high and low ppm levels (0-50 & 0-4,000) of VOC gases; methane elimination feature for environmental applications; and a list 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 one of 5 languages: English, French, German, Italian, or Spanish.

EAGLE 2 Model

Enclosure	Weatherproof, chemical resistant, RFI / EMI coated high impact polycarbonate-polyester blend. Can operate within 2.0" of water without leakage. Ergonomically balanced with rugged top mounted handle. Water & dust resistant equivalent to IP65.
Dimensions	9.5" L x 5.25" W x 5.875" H
Weight	3.8 Lbs (standard 4 gas with batteries)
Detection Principle	Catalytic combustion, electrochemical cell, galvanic cell, infrared, photo ionization detector, and thermal conductivity.
Sensor Life	2 Years under normal conditions.
Sampling Method	Powerful, long-life pump (over 6,000 hours) can draw samples over 125 feet. Flow rate approximately 2.0 SCFH
Display	3 display modes: display all gases, large font-autoscroll, or large font-manual scroll. Polyurethane protected overlay. Backlight, illuminates for alarms and by demand with adjustable time.
Language	Readout can display in 5 languages (English, French, German, Italian, or Spanish).
Alarms	2 Alarms per channel plus TWA and STEL alarms for toxics. The two alarms are fully adjustable for levels, latching or self reset, and silenceable.
Alarm Method	Buzzer 95 dB at 30 cm, four high intensity LED's.
Controls	4 External glove friendly push buttons for operation, demand zero, and autocalibration. Buttons also access LEL/ppm, alarm silence, peak hold, TWA/STEL values, battery status, conversion factors, and many other features.
Continuous Operation	At 70°F, 16 hours using alkaline batteries, or 20 hours using Ni-MH.
Power Source	4 Alkaline or Ni-MH, size C batteries (Charger has alkaline recognition to prevent battery damage if charging is attempted with alkalines).
Operating Temp. & Humidity	-20°C to 50°C (-4°F to 122°F), 0 to 95% RH, non-condensing.
Indication Accuracy	Maximum variance +/- 5% of full scale.
Response Time	30 Seconds to 90% (for most gases) using standard 5 ft hose.
Safety Rating	Intrinsically Safe, Class I, Division 1, Groups A, B, C and D. Approvals: CSA / CE
Standard Accessories	Shoulder strap, alkaline batteries, hydrophobic probe, and 5 foot hose, internal hydrophobic filter
Optional Accessories	<ul style="list-style-type: none"> Dilution fitting (50/50) Ni-MH batteries Battery charger, 115 VAC, 220 VAC, or 12 VDC (charge time 4 hours) Continuous operation adapter, 115 VAC or 12 VDC Extension hoses
Warranty	Two year material and workmanship, one year for PID sensor

Gases & Detectable Ranges	
Standard Confined Space Gases	
Hydrocarbons (CH ₄ , std)	0 - 100% LEL 0 - 50,000 ppm
Oxygen (O ₂)	0 - 40% Vol.
Carbon Monoxide (CO)	0 - 500 ppm
Hydrogen Sulfide (H ₂ S)	0 - 100 ppm
Toxics	
Ammonia (NH ₃)	0 - 75 ppm
Arsine (AsH ₃)	0 - 1.5 ppm
Hydrogen Cyanide (HCN)	0 - 10 ppm
Phosphine (PH ₃)	0 - 1 ppm
Sulfur Dioxide (SO ₂)	0 - 6 ppm
IR Sensors	
Carbon Dioxide (CO ₂)	0 - 10,000 ppm 0 - 5% Vol. 0 - 60% Vol.
Methane (CH ₄)	0 - 100% LEL 0 - 100% Vol.
Hydrocarbons	0 - 100% LEL 0 - 30% Vol.
PID Sensors	
VOC	0 - 4,000 ppm 0 - 50 ppm
TC Sensors	
Methane (CH ₄)	0 - 100% Vol.
Hydrogen (H ₂)	0 - 10% Vol. 0 - 100% Vol.

The EAGLE 2 can be configured with up to 6 gas sensors from the above list.

Special Features
• Low flow alarm shuts pump off to avoid damage to instrument.
• Hydrophobic filter disc in probe.
• Internal hydrophobic filter.
• Single gas calibration capability.
• Methane elimination feature for environmental applications.
• Security Password protected.
• Meets EPA Method 21 protocol for fugitive emissions testing (most applications).
• Plug and play toxic sensors.
• Datalogging available for all configurations.
• Transformer gas testing version available.

Specifications subject to change without notice.

Made in the USA



10000363



ISO 9001

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