

EAGLE 2

One to Six Gas Portable Monitor.

Introduction

The EAGLE 2 is the next generation of RKI's popular EAGLE portable gas detector. Equipped with features that are unavailable on competitor 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.

Key Features

- Monitor up to six different gases.
- Speciality sensors; PID, infrared, thermal conductivity, smart toxic, plug and play sensors.
- Powerful long-life internal pump with a low flow auto pump shut off and alarm.
- Datalogging standard.
- Methane elimination for environmental use.
- External probe with hydrophobic filter.
- Ergonomic RFI / EMI / chemical / weather resistant enclosure.

Key Benefits

- Powerful and versatile.
- Easy-to-use auto calibration / single gas calibration.
- Intrinsically safe design, CSA approval.



EAGLE 2

One to Six Gas Portable Monitor.

Detector Specifications		Gas	Measuring Range	Accuracy *Which ever is greater
Size	9.5Lx5.25Wx5.875"H	Gases & Detectable Ranges Standard Confined Space Gases		
Weight	3.8 lbs (standard 4 gas with batteries)	Hydrocarbons (CH ₄ , std)	0 - 50,000 ppm 0 - 100% LEL	± 5% of reading or ± 2% LEL (*)
Detection Principle	Catalytic combustion, electrochemical cell, galvanic cell, infrared, photoionization detector, and thermal conductivity		0-5% Vol.	± 50 ppm or ±% 10 of reading (*)
Sampling Method	Powerful, long-life internal pump (over 6,000 hours) can draw samples from over 125 feet. Flow rate approximately 2.0 SCFH	(H ₂) Specific	0 - 40,000 ppm 0 - 100% LEL 0 - 4 Vol.	± 50 ppm or 10%± of reading (*)
Display	3 display modes, display all gases, large font-auto scroll, or large font-manual scroll. Polyurethane protected overlay. Backlight, illuminates for alarms and by demand, with adjustable time	Oxygen (O ₂)	0 - 40% Vol. 0 - 100% Vol. (option)	± 0.5% O ₂
Language	Readout can display in 5 languages (English, French, German, Italian, or Spanish)	Carbon Monoxide (CO)	0 - 500 ppm 0 - 1,000 ppm (option)	± 5% of reading or ± 5 ppm CO (*)
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	Hydrogen Sulfide (H ₂ S)	0 - 100 ppm	± 5% of reading or ± 2 ppm H ₂ S (*)
Alarm Method	Buzzer 95 dB at 30 cm, four high intensity LED's	Toxics		
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	Amonia (NH ₃)	0 - 75 ppm	± 10% of reading or ± 5% of full scale (*)
		Arsine (AsH ₃)	0 - 1.5 ppm	
		Chlorine (Cl ₂)	0 - 3 ppm	
		Hydrogen Cyanide (HCN)	0 - 15 ppm	
		Phosphine (PH ₃)	0 - 1 ppm	
Sulfur Dioxide (SO ₂)	0 - 6 ppm			
Continuous Operation	At 70oF (210C) 16 hours using alkaline batteries, or 18 hours using Ni-MH	IR Sensors		
Power Source	4 alkaline or NiMH, size C batteries (charger has alkaline recognition to prevent battery damage if charging is attempted with alkalines)	Carbon Dioxide (CO ₂)	0 - 10,000 ppm 0 - 5% Vol. 0 - 60% Vol.	± 5% of reading or ± 2% of full scale (*)
Operating Temperature	-20°C to 50°C (-4°F to 122°F), 0 to 95% RH, non-condensing	Methane (CH ₄)	0 - 100% LEL 0 - 100% Vol.	
Environmental	IP-64	Hydrocarbons	0 - 100% LEL 0 - 30% Vol.	
Response Time	30 seconds to 90% (for most gases) using standard 5 ft hose	PID Sensors		
Safety Rating	Intrinsically Safe, Class I, Groups A B C D, Approvals: CSA/CE	VOC	0 - 2,000 ppm 0 - 50 ppm	
Standard Accessories	Shoulder strap, alkaline batteries, hydrophobic prove, and 5 foot hose, internal hydrophobic filter	TC Sensors		
Warranty	Two years material and workmanship, one year PID sensor	Methane (CH ₄)	0 - 100% Vol.	± 5% of reading or ± 2% of full scale (*)
		Hydrogen (H ₂)	0 - 10% Vol. 0 - 100% Vol.	