

# Six-Gas Portable Monitor

## *RKI Eagle 2*

The Eagle 2 is a next generation portable gas meter capable of measuring up to six gas combinations in real-time. The monitor includes three operating modes that include normal mode for confined space or area monitoring, borehole mode for checking underground gas leaks, and leak check mode for locating leaks in valves and pipes. Featuring an ergonomic hand-held design and glove friendly buttons, the Eagle 2 provides reliable operation in many environmental and H&S gas detection applications.

### FEATURES

- Strong internal pump – sample draw up to 125 feet
- Auto calibration and demand zero functions
- Adjustable level alarms plus TWA and STEL
- Methane elimination for environmental use
- Data logging standard
- Intrinsically Safe (IS) design, SCA approval
- EFI/EMI/Chemical/Weather resistant enclosure
- Multilingual – 5 languages
- PPM or LEL Hydrocarbon detection at the push of a button
- Large glove-friendly buttons



**CALL GEOTECH TODAY (800) 833-7958**

**Geotech Environmental Equipment, Inc.**

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## RKI Eagle 2

### SPECIFICATIONS

<b>Enclosure</b>	Weatherproof, chemical 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 IP-64.
<b>Dimensions</b>	9.5" L x 5.25" W x 5.875" H
<b>Weight</b>	3.8 Lbs. (standard 4-gas with batteries).
<b>Detection Principle</b>	Catalytic combustion, electrochemical cell, galvanic cell, infrared, Photoionization detector, and thermal conductivity.
<b>Sampling Method</b>	Powerful, long-life internal pump (over 6,000 hours) can draw samples over 125 feet. Flow rate approximately 2.0 SCFH.
<b>Display</b>	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.
<b>Language</b>	Readout can display in 5 languages (English, French, German, Italian, or Spanish).
<b>Alarms</b>	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.
<b>Alarm Method</b>	Buzzer 95 dB at 30 cm, four high intensity LED's.
<b>Controls</b>	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.
<b>Continuous Operation</b>	At 70°F, 18 hours using alkaline batteries, or 20 hours using NiMH.
<b>Power Source</b>	4 alkaline or NiMH, size C batteries (Charger has alkaline recognition to prevent battery damage if charging is attempted with alkalines).
<b>Operating Temp. &amp; Humidity</b>	-20°C to 50°C (-4°F to 122°F), 0 to 95% RH, non-condensing.
<b>Environmental</b>	IP-64
<b>Response Time</b>	30 Seconds to 90% (for most gases) using standard 5 ft. hose.
<b>Safety Rating</b>	Intrinsically Safe, Class I, Groups A, B, C, D. Approvals: CSA/CE
<b>Standard Accessories</b>	Shoulder strap, alkaline batteries, hydrophobic probe, and 5 foot hose, internal hydrophobic filter.
<b>Optional Accessories</b>	<ul style="list-style-type: none"> <li>• Dilution fitting (50/50)</li> <li>• NiMH batteries</li> <li>• Battery charger, 115 VAC, 220 VAC, or 12 VDC (charge time 4 hours)</li> <li>• Continuous operation adapter, 115 VAC or 12 VDC</li> <li>• Extension hoses</li> <li>• IRDA cable for datalogging download</li> </ul>
<b>Warranty</b>	Two year material and workmanship, one year for PID sensor.

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

Gases & Detectable Ranges		
Gas	Measuring Range	Accuracy *Which ever is greater
<b>Standard Confined Space Gases</b>		
<b>Hydrocarbons (CH<sub>4</sub>, std)</b>	0-100% LEL 0-5% Vol. (CH <sub>4</sub> )	±5% of reading or ±2% LEL (*)
	0-50,000 ppm	±50 ppm or ±5% of reading (*)
<b>Oxygen (O<sub>2</sub>)</b>	0-40% Vol.	±0.5% O <sub>2</sub>
<b>Carbon Monoxide (CO)</b>	0-500 ppm	±5% of reading or ±5 ppm CO (*)
<b>Hydrogen Sulfide (H<sub>2</sub>S)</b>	0-100 ppm	±5% of reading or ±2 ppm H <sub>2</sub> S (*)
<b>Toxics</b>		
<b>Ammonia (NH<sub>3</sub>)</b>	0-75 ppm	±10% of reading or ±5% of full scale (*)
<b>Arsine (AsH<sub>3</sub>)</b>	0-1.5 ppm	
<b>Chlorine (Cl<sub>2</sub>)</b>	0-3 ppm	
<b>Hydrogen Cyanide (HCN)</b>	0-15 ppm	
<b>Phosphine (PH<sub>3</sub>)</b>	0-1 ppm	
<b>Sulfur Dioxide (SO<sub>2</sub>)</b>	0-6 ppm	
<b>IR Sensors</b>		
<b>Carbon Dioxide (CO<sub>2</sub>)</b>	0-10,000 ppm 0-5% Vol. 0-60% Vol.	±5% of reading or ±2% of full scale (*)
	<b>Methane (CH<sub>4</sub>)</b>	
<b>Hydrocarbons</b>	0-100% LEL/ 0-30% Vol.	
<b>PID Sensors</b>		
<b>VOC</b>	0-2,000 ppm 0-50 ppm	—
<b>TC Sensors</b>		
<b>Methane (CH<sub>4</sub>)</b>	0-100% Vol.	±5% of reading or ±2% of full scale (*)
<b>Hydrogen (H<sub>2</sub>)</b>	0-10% Vol. 0-100% Vol.	
<b>Hydrogen Specific</b>		
<b>Hydrogen (H<sub>2</sub>)</b>	0-100% LEL 0-40,000 ppm	±5% of reading or ±2% of full scale (*)

Specifications subject to change without notice.

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