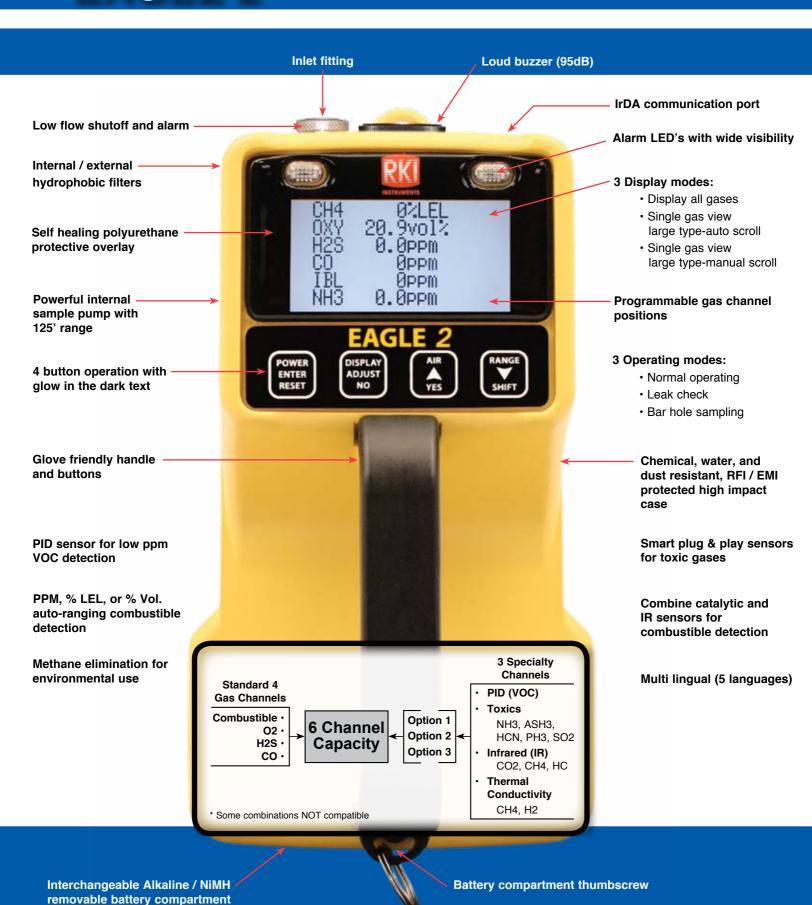


EAGLE 2



Specifications

Enclosure	Weatherproof, chemical resistant, anti RFI / EMI coated high impact polycarbonate - PBT blend. Can operate in rain or be set into 2.0" of water without leakage. Ergonomically balanced with rugged top mounted handle.	
Dimensions	9.5" L x 5.25" W x 5.875" H (241mm L x 140mm W x 149mm H)	
Weight	3.8 Lbs (1.72kg) (standard 4 gas with batteries)	
Detection Principle	Catalytic combustion, electrochemical, galvanic, infrared, photo ionization, 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	Backlit 128 x 64 graphics display. Viewed through window in case top. Displays readings & status of all 6 channels simultaneously. Backlight, illuminates for alarms and on demand with adjustable time. Optional mode allows automatic or manual scrolling display of just one gas at a time with very large characters.	
Language	Readout can display in 5 languages (English, French, German, Italian, or Spanish).	
Alarms	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, % Vol. alarm silence, peak hold, TWA/STEL values, battery status, conversion factors, and many other features.	
Continuous Operation	At 70°F, (21°C) 16 hours using alkaline batteries, or 18 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	-4°F to 122°F (-20°C to 50°C) 0 to 95% RH, non-condensing.	
Response Time	30 Seconds to 90% of range (for most gases) using standard 5 ft hose.	
Safety Rating	Intrinsically Safe, Class I, Division 1, Groups A, B, C, D.	
	Approvals:	
Standard Accessories	Shoulder strap, alkaline batteries, hydrophobic probe, 5 foot hose, and internal hydrophobic filter	
Optional Accessories	 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	

Specifications subject to change without notice

www.rkiinstruments.com 800 754-5165

Sensor Technologies

Standard 4 Gas

Specialty Sensors

Smart Toxic Sensors



Gas	Range	Accuracy			
	0 - 100% LEL	± 5% of reading			
Hydrocarbons (CH ₄ , standard)	0 - 5% Vol. (CH ₄)	or ± 2% of full scale (*)			
, ,	0 - 50,000 ppm (CH ₄)	± 50 ppm or ± 5% of reading (*)			

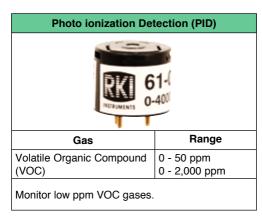
Combustible level detection displayed in % LEL, PPM, or % volume. Methane is the standard configuration. Other combustible gases available.

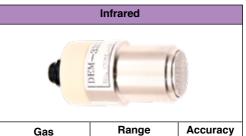
A specific electrochemical sensor for oxygen monitoring.

Standard Electrochemical Gas Range Accuracy

Gas	Range	Accuracy	
Carbon Monoxide (CO)	0 - 500 ppm	± 5% of reading	
Hydrogen Sulfide (H ₂ S)	0 - 100 ppm	± 2 ppm (*)	

Extra long-life CO and H₂S sensors.





Gas	Range	Accuracy			
Carbon Dioxide (CO ₂)	0 - 10,000 ppm 0 - 5% Vol. 0 - 60% Vol.	± 5% of			
Methane (CH ₄)	0 - 100% LEL 0 - 100% Vol.	reading or ± 2% of full scale (*)			
Hydrocarbons	0 - 100% LEL 0 - 30% Vol.	scale ()			

Monitor combustible gases in inert environments. Monitor wide range of CO₂.

Thermal Conductivity Gas Range Accuracy Methane (CH₄) 0 - 100% Vol. Hydrogen (H₂) 0 - 100% Vol. 0 - 100% Vol. 0 - 100% Vol. Monitor % volume methane or hydrogen.



Ammonia (NH₃) 0 - 75 ppmArsine (AsH₃) 0 - 1.5 ppmChlorine (Cl₂) 0 - 3 ppmHydrogen Cyanide (HCN) 0 - 15 ppmPhosphine (PH₃) 0 - 1 ppmSulfur Dioxide (SO₂) 0 - 6 ppm 0 - 1 ppm

Monitor a wide variety of toxic gases. Smart plug and play sensors are auto recognized and can be remotely calibrated.

Note: (*) = Whichever is greater



CONFINED SPACE ENTRY

- Monitor LEL, O2, CO, and H2S
- Internal sample pump
 - ♦ Pull samples up to 125'
 - ♦ Maintain steady sample flow to sensors
- Audible and visual alarms
 - ♦ 2 Ways to communicate with workers
- · Ideal for refinery applications



- Provides ppm detection of combustible gas
- Barhole mode for tracking leak migration
- · Leak check with changing blink / pulsing rate
 - ♦ LED's and alarm tones increase in frequency as gas concentration increases
- · Audible alarm silence
 - ♦ Perform leak investigations without alarming residents





LINE PURGE TESTING

- Thermal conductivity sensor
 - ◊ 0 to 100% volume Methane / Hydrogen range
- Autoranging IR
 - ♦ Automatically changes from
 - % LEL to % Vol.
 - ♦ Displays appropriate unit of measure

VOC MONITORING

- Robust photo ionization detector (PID)
- · Two ranges available,
 - *♦ 0-50 ppm or 0-2,000 ppm*
- Can be combined with other sensors to maximize capability
- Method 21 compliant





TRANSFORMER TESTING

- Determine transformer health by sampling head space
- Measure Hydrogen (and other flammable gases) and Oxygen in nitrogen blanket
- Increasing flammable gas levels in head space indicates failing transformer

LANDFILL MONITORING

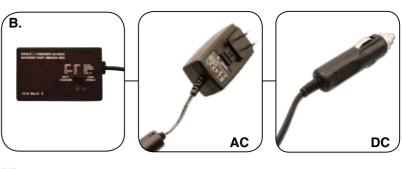
- LEL / PPM and 0-100% volume Methane
- 0-60% Carbon Dioxide range
- Can be combined with other sensors (O2/H2S/CO) to maximize capability



Accessories

- A. Calibration station
- B. Battery charger / continuous operation adapter, AC and DC versions
- C. Variety of sample hose lengths
- D. Float probe, auto shut off when probe contacts water
- E. PID service kits
- F. Calibration kits
- G. Carrying cases
- H Rechargeable Ni-MH batteries



















Made in USA

User Selectable Options

Date and Time
Date Format
Battery Type
Configuring Channels
Combustible Gas Selection
Catalytic Detection Units
Relative Response On or Off
Alarm Points
Alarm Latching
Alarm Silence
User and Station ID
Autocal Values
Backlight Delay
Auto Fresh Air

Data Log Interval

Data Log Overwrite
Data Log Memory
LCD Contrast
Calibration Reminder
Calibration Past Due Action
Calibration Interval
Leak Check / Bar Hole Mode
Bar Hole Measurement Time
Operation Confirmation Alert
Password Function On or Off
Factory Default
Lunch Break
Language
Span Factor



Authorized Distributor:

Toll Free: (800) 754-5165 • Phone: (510) 441-5656 • Fax: (510) 441-5650 www.rkieagle2.com