



Features

- Simultaneous detection of hydrogen and oxygen
- PPM / LEL hydrocarbon detection
- Powerful long-life pump
- Low flow pump shut off and alarm
- Built-in two pump dilution system for LEL measurement in inert atmospheres
- Security “Adjustment Lockout Switch”
- Up to 20 hours of continuous operation
- Alkaline or Ni-Cad capability
- Autocalibration / single gas calibration
- Internal filters, oil mist, hydrophobic, & particulate
- Ergonomic RFI / EMI / chemical / weather resistant enclosure
- Intrinsically safe design, intended for Class I Division 2 hazardous locations

RKI is proud to offer this version of our Eagle portable gas detector. The Eagle Transformer Gas Tester is capable of detection of flammable gases and vapors in inerted environments, using a unique two-pump dilution sample system. This allows uses of a catalytic bead (pellistor) type sensor for LEL detection of virtually all flammable gases and vapors, including hydrogen. The two pump design gives the Eagle the capability of sampling from a positive or negative pressure transformer.

Other unique EAGLE features include PPM or LEL hydrocarbon detection at the push of a button. The EAGLE has a strong internal pump with a low flow auto shut off and alarm. This allows for quick response and recovery from distant sampling locations. It also includes a second pump to provide dilution air for the LEL sensor, with the two pump approach helping to compensate for changes in sample. The EAGLE will continuously operate for over 20 hours on alkaline batteries or 12 hours on Ni-Cads.

With its ergonomic design and large glove friendly buttons, the EAGLE offers easy access to controls such as autocalibration, alarm silence, demand zero, peak hold and a wide variety of other features. Each channel has two alarm levels. The two alarm levels are user adjustable and can be latching or self resetting. Rugged, reliable, easy to operate and maintain, the EAGLE is the solution for just about any portable gas monitoring situation where inerted environments must be tested.



EAGLE™ Model

Enclosure	Weatherproof, chemical resistant, RFI / EMI coated high impact polycarbonate-polyester blend. Can operate in rain or set into 2.0" of water without damage. Ergonomically balanced with rugged top mounted handle.
Dimensions	10.5" L x 5.9" W x 7" H
Weight	5 lbs
Detection Principle	Catalytic combustion, galvanic cell (O ₂)
Sensor Life	2 years under normal conditions.
Sampling Method	Two powerful, long-life pumps (over 6,000 hours) can draw samples directly from transformers, whether at positive or negative pressure.
Display	4 x 20 LCD readout. Viewed through window in case top. Displays readings & status of 4 channels simultaneously. Backlight, automatic for alarms and by demand with adjustable time.
Alarms	2 alarms per channel. The two alarms are fully adjustable for levels, latching or self reset and silenceable.
Alarm Method	Buzzer 85 dB at 30 cm, dual high intensity LED's, and flashing display.
Controls	6 External glove friendly push buttons for operation, demand zero, and autocalibration. Buttons also access LEL / ppm, alarm silence, peak hold, battery status and many other features.
Continuous Operation	20 Hrs min. using alkaline batteries, or 12 hrs using Ni-Cad.
Power Source	4 Alkaline or Ni-Cad, size D batteries (Charger has alkaline recognition to prevent battery damage if charging is attempted with alkalines).
Operating Temp. & Humidity	-10°C to 40°C (14°F to 104°F), 0 to 95% RH, non-condensing.
Response Time	30 Seconds to 90%.
Safety Rating	Intrinsically safe design, intended for Class I Division 2 hazardous locations. (No third party approval).
Standard Accessories	Shoulder strap, alkaline batteries, Internal hydrophobic filter.
Optional Accessories	<ul style="list-style-type: none"> Ni-Cad batteries Battery charger, 115 VAC, 220 VAC, or 12 VDC Continuous operation adapter, 115 VAC or 12 VDC Extra loud buzzer
Warranty	Two year material and workmanship.

Gases & Detectable Ranges		
Gas	Measuring Range	Accuracy * Which ever is greater
Hydrocarbons (H ₂ , std)	0 - 100% LEL	± 5% of reading or ± 2% LEL (*)
	0 - 50,000 ppm	± 50 ppm or ± 10% of reading (*)
Oxygen (O ₂)	0 - 40% Vol.	± 0.5% O ₂

Ordering Information	
Single Gas H2 Eagle	
EAGLE for Hydrogen (H ₂), 0 - 5% volume with 2 pumps for transformer testing	72-5101RK-TRB
Calibration kit, EAGLE, 103L cylinder of 50% LEL Hydrogen/Air, demand flow regulator, case & tubing	81-5101RK-H2
Dual Gas H2/O2 Eagle	
EAGLE for H2 (0 - 5%) / O ₂ , with 2 pumps for transformer gas testing	72-5201RK-TRB
Calibration kit, EAGLE, 103L cylinder of 50% LEL H2/Air, 103L cylinder of 100% N ₂ , demand flow regulator, case & tubing	81-5201RKTR1
Cal kit, EAGLE, 34L cylinder 50% LEL H2/Air, 34L cyl 100% N ₂ , dispensing valve, gas bag, case & tubing	81-5201RKTR1-LV



INSTRUMENTS

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