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.
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 (O2)

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.


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: • 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:

<table>
<thead>
<tr>
<th>Gas</th>
<th>Measuring Range</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocarbons (H₂, std)</td>
<td>0 - 100% LEL</td>
<td>± 5% of reading or ± 2% LEL (*)</td>
</tr>
<tr>
<td></td>
<td>0 - 50,000 ppm</td>
<td>± 50 ppm or ± 10% of reading (*)</td>
</tr>
<tr>
<td>Oxygen (O₂)</td>
<td>0 - 40% Vol.</td>
<td>± 0.5% O₂</td>
</tr>
</tbody>
</table>

Ordering Information:

**Single Gas H₂ Eagle**

- EAGLE for Hydrogen (H₂), 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%) / O₂, with 2 pumps for transformer gas testing
  - 72-5201RK-TRB
- Calibration kit, EAGLE, 103L cylinder of 50% LEL H₂/Air, 103L cylinder of 100% N₂, demand flow regulator, case & tubing
  - 81-5201RKTR1
- Cal kit, EAGLE, 34L cylinder 50% LEL H₂/Air, 34L cyl 100% N₂, dispensing valve, gas bag, case & tubing
  - 81-5201RKTR1-LV

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RKI INSTRUMENTS

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Authorized Distributor: