



# TANKER TESTER GAS MONITOR

Gas Detection For Life

Marine EAGLE



## Features

- Simultaneously monitor Hydrocarbons O<sub>2</sub>, and H<sub>2</sub>S
- HC ranges include 100% LEL and 30% volume
- Monitor HC gas from inerted tanks
- Oxygen only version available
- 0-1000 ppm H<sub>2</sub>S range available as a special option
- Autoranging display between % volume and % LEL HC
- Powerful long-life pump with 125' range
- Alkaline or Ni-Cad capability
- Datalogging option
- Autocalibration
- Dual hydrophobic filters
- Internal oil mist filter
- Ergonomic RFI / EMI / chemical / weather resistant enclosure
- Intrinsically safe design, CSA (C / US) & UL Classified

RKI is pleased to offer the most versatile portable gas detector specifically for maritime tankers. The EAGLE provides detection combinations never before offered in a portable gas monitor featuring gases like % LEL and volume of hydrocarbons, oxygen, as well as PPM levels of hydrogen sulfide.

The EAGLE features include an infrared sensor for combustible gas monitoring in inerted tanks, and dual hydrophobic filters to increase its water resistant performance. For quick response and recovery from distant sampling locations, the EAGLE has a strong internal pump with low flow auto shut off and alarm. The pump can draw samples up to 125 feet even with the dual hydrophobic filters in place. The EAGLE will continuously operate for over 30 hours on alkaline batteries or 18 hours on Ni-Cads. A variety of accessories are also available to help satisfy almost any application such as long sample hoses, datalogging, continuous operation adapters, remote alarms and strobes, extra loud buzzer and alkaline recognition battery charger. The marine versions of the Eagle also include an internal oil mist filter to protect the sampling system.

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 and settings. 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 testing HC vapor levels in inerted tanks. Also, a special version can detect H<sub>2</sub>S levels up to 1,000 ppm.

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World Leader In Gas Detection & Sensor Technology  
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<b>Enclosure</b>	Weatherproof, chemical resistant, RFI / EMI coated high impact polycarbonate-polyester blend. Can operate in rain or set into 2.5" of water without damage. Ergonomically balanced with rugged top mounted handle.
<b>Dimensions</b>	10.5" L x 5.9" W x 7" H (26.7 cm x 15 cm x 17.8 cm)
<b>Weight</b>	5 lbs (2.27 kg)
<b>Detection Principle</b>	Electrochemical cell, galvanic cell, and infrared.
<b>Sensor Life</b>	2 years under normal conditions.
<b>Sampling Method</b>	Powerful, long-life pump (over 6,000 hours) can draw samples over 125 feet. Flow rate approximately 2.0 SCFH (1 LPM).
<b>Display</b>	4 x 20 LCD readout. Viewed through window in case top. Displays readings & status of all channels simultaneously. Backlight, automatic for alarms and by demand with adjustable time.
<b>Alarms</b>	2 alarms per channel. The two alarms are fully adjustable for levels, latching or self reset and silenceable.
<b>Alarm Method</b>	Buzzer 85 dB at 30 cm, dual high intensity LED's, and flashing display.
<b>Controls</b>	6 External glove friendly push buttons for operation, demand zero, and autocalibration. Buttons also access alarm silence, peak hold, battery status and many other features.
<b>Continuous Operation</b>	30 Hours minimum using alkaline batteries, or 18 hours using Ni-Cads.
<b>Power Source</b>	4 Alkaline or Ni-Cad, size D batteries. Charger has alkaline recognition to prevent battery damage if charging is attempted with alkalines.
<b>Operating Temp. &amp; Humidity</b>	-10°C to 40°C (14°F to 104°F), 0 to 95% RH, non-condensing.
<b>Response Time</b>	30 Seconds to 90% using standard 5 ft hose.
<b>Safety Rating</b>	Intrinsically Safe, Class I, Division 1, Groups A, B, C and D. CSA (C / US) & UL Classified.
<b>Standard Accessories</b>	Shoulder strap, alkaline batteries, hydrophobic filter probe, 5 foot hose, internal hydrophobic filter, oil mist filter (internal), manual, and training CD
<b>Optional Accessories</b>	<ul style="list-style-type: none"> <li>• Datalogging of up to 4 gases (except 1000 ppm H2S version)</li> <li>• Remote alarms</li> <li>• Ni-Cad batteries</li> <li>• Battery charger, 115 VAC, 220 VAC, or 12 VDC</li> <li>• Continuous operation adapter, 115 VAC or 12 VDC</li> <li>• Extra loud buzzer</li> <li>• Extension hoses</li> <li>• Floating head with 25' hose</li> </ul>
<b>Warranty</b>	One year material and workmanship

Ordering Information	
Part Number	Description
72-5354RK	HC (100% LEL / 30% Vol. autoranging IR) / O2 / H2S (0-100 ppm)
72-5355RK	HC (100% LEL / 30% Vol. autoranging IR) / O2 / H2S (0-1,000 ppm)
72-5268RK	HC (100% LEL / 30% Vol. autoranging IR) / O2
72-5102RKM	Oxygen only, 0-25% O2
72-5121RK	HC only (100% LEL / 30% Vol. autoranging IR)

### Special Features

- Autoranging display of %LEL & %volume.
- Low flow alarm shuts pump off to avoid damage to instrument.
- Hydrophobic filter disc in probe.
- Internal hydrophobic filter.
- Internal oil mist filter
- Hoses available up to 125' long

Specifications subject to change without notice.

Made in the USA



A9812



ISO 9001:2000

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