

Marine Tank Tester Gas Monitor



Marine Tank Tester

- Meets ship class/rule requirements
- Monitor up to 6 different gases
- Powerful pump up to 125' (38m) (non PID versions)
- PPM, %LEL, %Vol. auto ranging
- VOC monitoring
- ABS, CSA, CE approved
- Intrinsically safe design



RKI is proud to offer the next generation of our popular EAGLE portable gas detector. Equipped with features that are not available on competitive units, the EAGLE 2 is one of the most suitable portable gas detectors for ship applications.

Applications:

- HC/O2 gas detector in air & in inert background by IMO/ship class.
- Portable gas detector by IMO coal carrier application with CH4 sensor for air and inert background.
- Pump room monitoring detector by OCIMF/ISGOTT.
- Benzene vapor monitoring by IMO/OCIMF.
- Suitable gas detector by the changed BC Code (IMSBC Code, International Maritime Solid Bulk Cargoes Code, since January 01, 2011).



SPECIFICATIONS

Eagle 2 portable gas detector was developed to meet the following marine requirements:

- Easy to handle (Field friendly design)
- Heavy duty case
- Long sensor lifetime
- Easy to maintain
- Powerful sampling pump (up to 125ft, 38m)



Approvals:



Specifications:	
Enclosure	Weather and 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.
Dimensions	9.5"L x 5.25"W x 5.875"H (L241 x W133 x H149mm).
Weight	3.8Lbs (1.72kg, standard 4 gases with batteries)
Detection Principle	Catalytic combustion, electrochemical cell, galvanic cell, infrared, Photoionization detector, and thermal conductivity.
Sampling Method	Powerful, long-life internal pump (over 6,000 hours) can draw samples over 125ft (38m). Flow rate approximately 2.0SCFH (1.0 lpm).
Display	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.
Language	Readout can display in 5 languages (English, French, German, Italian, or Spanish)
Alarms	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.
Alarm Method	Buzzer 95dB at 30cm, four high intensity LED's.
Controls	4 External glove friendly push buttons for operation, demand zero, and autocalibration. Buttons also access LEL/ppm, alarm silence, peak hold, TWA/STEL values, battery status, conversion factors, and many other features.
Continuous Operation	At 70°F (21°C), 18 hours using alkaline batteries, or 20 hours using Ni-MH.
Power Source	4 alkaline or Ni-MH C size batteries.
Operating Temp & Humidity	-20°C ~ 50°C (-4°F~122°F), 0~95%RH (non-condensing).
Indication Accuracy	Maximum variance ±5% of full scale.
Response Time	30 seconds to 90% (for most gases) using standard 5 ft (1.5m) hose.
Safety Rating	Intrinsically Safe, Class 1, Group A,B,C,D. Approval: CSA/CE.
Standard Accessories	Shoulder strap, alkaline batteries, hydrophobic probe, 5ft (1.5m) hose.
Optional Accessories	<ul style="list-style-type: none"> • Dilution fitting (50:50) • Ni-MH batteries • Battery charger, 100-240VAC, or 12VDC (charge time 4 hours) with continuous operation function, 115VAC or 12VDC • Extension hoses

Specifications subject to change without notice.


ORDER INFORMATION

* All LEL and PPM sensor choose one of the following calibrations when ordering Isobutane (for HC) / Methane (standard calibration) Hydrogen H2.

NOTE: Other gas combinations are possible. Please contact RKI Instruments or your authorized distributor.

Instruments	
721-001	EAGLE 2 for LEL & PPM *
721-002-M	Eagle 2 for O2 (0-40%), with internal oil mist filter.
721-005	Eagle 2 for SO2 (0-6 ppm)
721-007	Eagle 2 for AsH3 (0-1.5 ppm)
721-008	Eagle 2 for PH3 (0-1.0 ppm)
721-021	Eagle 2 for HC (0-100% LEL/ 0-30% VOL. auto range IR)
721-101-P1	Eagle 2 for VOC's (0-50 ppm, PID)
722-001-D	Eagle 2 (LEL and ppm)/O2 (0-40%) with dilution fitting
722-005	Eagle 2 for O2 (0-40%)/H2S (0-100 ppm)
722-010	Eagle 2 (LEL and ppm)/NH3 (0-75 ppm)
722-060	Eagle 2 (LEL and ppm)/PH3 (0-1.0 ppm)
722-062	Eagle 2 (LEL and ppm)/AsH3 (0-1.5 ppm)
722-068	Eagle 2 for HC (0-100% LEL/ 0-30% VOL. auto range IR)/O2 (0-40%)
723-002	Eagle 2 for CH4 (LEL and ppm)/O2 (0-40%)/CO (0-500 ppm)
723-032	Eagle 2 for CH4 (IR autorange % LEL % Vol)/O2 (0-40%)/CO (0-500 ppm)
723-054	Eagle 2 for HC (0-100% LEL/ 0-30% VOL. auto range IR)/O2 (0-40%)/H2S (0-100 ppm)
724-001	Eagle 2 (LEL and ppm)/O2 (0-40%)/CO (0-500 ppm)/H2S (0-100 ppm)
724-001-D	Eagle 2 (LEL and ppm)/O2 (0-40%)/CO (0-500 ppm)/H2S (0-100 ppm) with dilution fitting
724-012	Eagle 2 (LEL and ppm)/O2 (0-40%)/CO (0-500 ppm)/NH3 (0-75 ppm)
724-052	Eagle 2 (LEL and ppm)/O2 (0-40%)/CO (0-500 ppm)/HCN (0-15 ppm)
724-059-02	Eagle 2 for CH4 (0-100% LEL/ 0-100% VOL, auto range IR)/O2 (0-40%)/CO (0-500 ppm)/CO2 (0-10,000 ppm)
724-059-03	Eagle 2 for CH4 (0-100% LEL/ 0-100% VOL, auto range IR)/O2 (0-40%)/CO (0-500 ppm)/CO2 (0-5%)
724-059-05	Eagle 2 for CH4 (0-100% LEL/ 0-100% VOL, auto range IR)/O2 (0-40%)/CO (0-500 ppm)/CO2 (0-60%)
724-085	Eagle 2 (LEL and ppm)/O2 (0-40%)/CO (0-500 ppm)/ASH3 (0-1.5 ppm)
724-101-P1	Eagle 2 (LEL and ppm)/O2 (0-40%)/H2S (0-100 ppm)/VOC's (0-50 ppm, PID)
725-004-02	Eagle 2 (LEL and ppm)/O2 (0-40%)/CO (0-500 ppm)/H2S (0-100 ppm)/CO2 (0-10,000 ppm)
725-028	Eagle 2 (LEL and ppm)/O2 (0-40%)/CO (0-500 ppm)/NH3 (0-75 ppm)/PH3 (0-1 ppm)
725-115	Eagle 2 (LEL and ppm)/O2 (0-40%)/H2S (0-100 ppm)/HCN (0-15 ppm)/SO2 (0-6 ppm)
726-101-P1	Eagle 2 (LEL and ppm)/O2 (0-40%) H2S (0-100 ppm)/CO (0-500 ppm)/SO2 (0-6 ppm)/VOC's (0-50 ppm, PID)
726-118	Eagle 2 (LEL and ppm)/O2 (0-40%)/CO (0-500 ppm)/H2S (0-100 ppm)/SO2 (0-6 ppm)/HCN (0-15 ppm)

ORDER INFORMATION

Instrument Accessories			
49-2175RK-02	Battery charger, 100~240VAC, with 4 C size NI-MH batteries, Eagle 2		
80-0101RKE	Floating ball/hose assembly, 25' (8m), with Eagle 2 fitting		
80-0405RK	Dilution fitting 50:50		
80-0540RK	Sampling hose 40' (12m), polyurethane with Eagle 2 fittings		
80-0575RK	Sampling hose 75' (22m), polyurethane with Eagle 2 fittings		
80-0599RK	Sampling hose 100' (30m), polyurethane with Eagle 2 fittings		
80-0599RK-125	Sampling hose 125' (38m), polyurethane with Eagle 2 fittings		
Aluminum Cylinders and Equipment			
81-0151RK-04	H2S 25 ppm in N2 bal. 34AL cylinder		
81-0154RK-04	Mixed calibration gas, 34AL cylinder, CH4 50% LEL/ O2 12%/ CO 50 ppm/H2S 25 ppm in N2 bal.		
81-0158RK-04	Mixed calibration gas, 34AL cylinder, i-C4H10 50% LEL/O2 12%/CO 50 ppm/H2S 25 ppm in N2 bal.		
81-1054RK	Regulator, demand flow for 34AL/58AL/103L		
81-1132RK	Sampling bag (1L)		
		34 AL Cylinder	Regulator for 34AL cylinder
Steel Cylinders and Equipment			
81-0011RK-01	CH4, 10% VOL in N2 bal. 34L		
81-0012RK-01	CH4, 50% LEL in air bal. 34L		
81-0018RK-01	i-C4H10, 50% LEL in air bal. 34L		
81-0019RK-01	i-C4H10, 10% VOL in N2 bal. 34L		
81-0064RK-01	CO, 50 ppm in air bal. 34L		
81-0074RK	O2, 2% VOL in N2 bal. 17L		
81-0075RK-01	O2, 10% VOL in N2 bal. 34L		
81-0078RK-01	N2, 99.999%. 34L cylinder		
81-1055RK	Regulator, demand flow for 17L/34L steel cylinders		
		34L & 17L Cylinders	Regulator for 34/17L cylinder



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Authorized Distributor: