

Eagle Portable Gas Detector

Description

The EAGLE is a powerful instrument that does more than offer standard confined space protection. The EAGLE also provides detection combinations never before offered in a portable gas monitor featuring the industry's widest selection of high quality, long life and field proven sensors.

The EAGLE's ergonomic design offers easy access to controls such as auto-calibration, alarm silence, demand zero, peak hold and a wide variety of other features. Each channel has 2 alarm levels plus TWA and STEL alarms for toxic channels. Alarm levels are adjustable and can be latching or self resetting. Standard features on the EAGLE, such as PPM/LEL hydrocarbon detection (5 ppm resolution) and a methane elimination switch for environmental applications are not available on most other competitive units. For quick response and recovery, the EAGLE has a strong internal pump that can draw samples from over 125 feet. The EAGLE will continuously operate for over 30 hours on alkaline batteries or 18 hours on rechargeable Ni-Cads. Many accessories such as long hoses, special probes, data-logging, continuous operation adapters, remote alarms and strobes, dilution fittings, internal hydrophobic filter, etc, are available to help satisfy almost any application. Rugged, weatherproof, easy to operate and maintain, the EAGLE is the industry's answer to portable gas detection.



Features

- Simultaneous detection of up to 6 different gases
- Wide variety of field proven gas sensors available
- PPM / LEL hydrocarbon detection
- Powerful long-life pump with 125' range
- Low flow pump shut off and alarm
- Methane elimination switch for environmental use
- Security "Adjustment Lockout Switch"
- Up to 30 hours of continuous operation
- Alkaline or Ni-Cad capability
- Ergonomic RFI/EMI/Chemical resistant case
- Data-logging option
- Auto-calibration
- Intrinsically safe design (most versions), CSA/ NRTL & UL Classified

Ordering Information

Measurable Gas**	Range	Model Number
Ammonia	0-75 ppm	72-5111RK
Arsine	0-0.20 ppm	72-5107RKS
Arsine	0-1.0 ppm	72-5107RK
Carbon Dioxide	0-5000 ppm	72-5115RK-5K
	0-10000 ppm	72-5115RK-10K
	0-5%	72-5115RK-05
	0-20%	72-5115RK-20
	0-50%	72-5115RK-50
Carbon Monoxide	0-500 ppm	72-5104RK
Fluorine	0-5 ppm	72-5119RK
Hydrocarbon	0-100% LEL &	72-5101RK
	0-50,000 ppm	
Hydrogen Chloride	0-5 ppm	72-5110RK
Hydrogen Sulfide	0-100 ppm	72-5103RK
Nitrogen Dioxide	0-15 ppm	72-5114RK
Oxygen	0-40%	72-5102RK
Phosphine	0-1.0 ppm	72-5108RK
Silane	0-15 ppm	72-5117RK
Sulfur Dioxide	0-30 ppm	72-5105RK
Confined Space Instrument	(4 detectors in one housing)	72-5401RK
	Hydrocarbons	0 - 100% LEL
	Oxygen (O ₂)	0 - 40% Vol.
	Carbon Monoxide	(CO) 0 - 500 ppm
	Hydrogen Sulfide (H ₂ S)	0 - 100 ppm
*Included Accessories – Most Eagle units come with a 5' polyurethane hose, shoulder strap, four alkaline batteries, and a 10" hydrophobic probe as standard accessories. Units for toxic gases are supplied with a 3' Teflon hose without the hydrophobic filter.		
**Gases & Detectable Ranges - The EAGLE can be provided with many gas sensors not specifically listed above. Units can contain up to 6 gas sensors (4 Toxics maximum). Please specify the gases desired when requesting a quotation.		

Specifications for Eagle Portable Gas Detector

- **Enclosure**
Weatherproof, chemical resistant, RF/EMI coated high impact poly-carbonate-polyester blend. Can be set in rain or into 2.5" water without damage. Ergonomically balanced with rugged top mounted handle.
- **Dimensions**
10.5" long x 5.9" x 7" tall
- **Weight**
5 lbs.
- **Detection Principle**
Catalytic combustion, electrochemical cell, and infrared.
- **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**
4 x 20 LCD readout with backlighting. Viewed through window in case top. Display readings & status of all channels simultaneously.
- **Alarms**
2 alarms per channel plus TWA and STEL alarms. Fully adjustable for levels, latching or self-reset and silenceable.
- **Alarm Method**
Buzzer 85dB at 30 cm, dual high intensity LED's, and blinking display.
- **Controls**
6 external push buttons for operation, demand zero, and auto-calibration. Buttons also access LEL/ppm, alarm silence, peak hold, TWA/STEL values, battery status and many other features.
- **Continuous Operating Hours**
30 hours minimum using alkaline batteries, or 18 hours Ni-Cads.
- **Power Source**
Size D batteries, 4 alkaline or Ni-Cad, Charger has alkaline recognition to prevent battery damage if alkalines are charged.
- **Operating Temp. & Humidity**
-10°C to 40°C (14°F to 104°F), 0 to 95% RH, non-condensing.
- **Indication Accuracy**
Maximum variance +/- 5% of full scale.
- **Response Time**
30 seconds to 90% (for most gases).
- **Safety Design**
Intrinsically Safe, Class I, Division 1, Groups A, B, C and D. CSA/NRTL & UL Classified (most versions).
- **Standard Accessories**
Shoulder strap, alkaline batteries, hydrophobic probe, and 5 foot hose (for special toxic gas versions, shorter Teflon hose used without probe).
- **Optional Accessories**
 - Data-logging of up to 4 gases (No data-logging possible on 5 or 6 gas version or versions with more than 2 toxic sensors).
 - Remote alarm
 - Dilution fitting (50/50)
 - Ni-Cad batteries
 - Battery charger, 115 VAC or 12 VDC
 - Continuous Operation Adaptor, 115 VAC or 12 VDC
 - Extra loud buzzer
 - Extension probes
 - Internal Hydrophobic Filter (strongly recommended)
- **Warranty**
One year material and workmanship.