

EAGLE 2

1 to 6 Gas Portable Monitor



Features

- Monitor up to 6 different autoranging gases
- PID (Photo Ionization Detector), IR Sensor and TC (Thermal Conductivity)
- Plug and play, smart toxic sensors
- Powerful long-life pump up to 380 cm range
- IrDA (datalogging standard)
- Intrinsically safe design

Description

Detection combinations never before offered in a portable gas monitor are now available featuring the industry's widest selection of high quality, long life and field proven sensors. The EAGLE 2 now includes PID (Photo Ionization Detector) capability. Conversion factors for a variety of common gases are programmed into the EAGLE 2 for both the PID sensor and LEL/PPM catalytic sensor.

Unique EAGLE 2 features include PPM or LEL hydrocarbon detection at the push of a button; infrared sensors for CO₂, methane or hydrocarbons in LEL and % volume ranges; PID sensor for detecting high and low ppm levels (0-50 & 0-4,000) of VOC gases; methane elimination feature for environmental applications; and a list of super toxic gases and measurable ranges.

The EAGLE 2 has a strong internal pump with a low flow auto pump shut off and alarm, which can draw samples from up to 3,80 metres. This allows for quick response and recovery from distant sampling locations.

A variety of accessories are also available to help satisfy almost any application such as long sample hoses, special float probes for tank testing, and dilution fittings, just to name a few. Datalogging is a standard feature.

With its ergonomic design and large glove friendly buttons, the EAGLE 2 offers easy access to controls such as autocalibration, alarm silence, demand zero, peak hold, methane elimination, and a wide variety of other features. Each channel has two alarm levels plus TWA and STEL alarms for toxic channels. The two alarm levels are user adjustable and can be latching or self resetting.

Rugged, reliable, easy to operate and maintain, the EAGLE 2 fits for any portable gas monitoring situation.

Special Features	
• Low flow alarm shuts pump off to avoid damage to instrument	• Methane elimination feature for environmental applications
• Hydrophobic filter disc in probe	• Security password protected
• Internal hydrophobic filter	• Datalogging standard
• Single gas calibration capability	• Intrinsically safe design
• Plug and play toxic sensors	• Hundreds of configurations available

Specifications

Model	EAGLE 2
Detection Principle	Catalytic combustion, electrochemical cell, galvanic cell, infrared, photo ionization detector, and thermal conductivity.
Sampling Method	Powerful, long-life pump (over 6,000 hours) can draw samples over 380 cm. Flow rate approximately 2.0 SCFH
Auflösung	Maximum variance +/- 5% of full scale.
Response Time	30 Seconds to 90% (for most gases) using standard 150cm hose.
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.
Enclosure	Weatherproof, chemical resistant, RFI / EMI coated high impact polycarbonate-polyester blend. Can operate within 2.0" of water without leakage. Ergonomically balanced with rugged top mounted handle. Water & dust resistant equivalent to IP65.
Safety Rating	Intrinsically Safe, Class I, Division 1, Groups A, B, C and D. CE approved
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.
Controls	4 External glove friendly buttons for operation, demand zero, and autocalibration. Buttons also access LEL/ppm, alarm silence, peak hold, TWA/STEL values, battery status, conversion factors, and others
Language	Multilingual readout (English, French, German, Italian, or Spanish).
Power Source	4 Alkaline or Ni-MH, size C batteries (Charger has alkaline recognition to prevent battery damage if charging is attempted with alkalines).
Continuous Operation	16 hours using alkaline batteries or 20 hours using Ni-MH (both at 20°C)
Operating Temp. & Humidity	-20°C to 50°C, 0 to 95% RH, non-condensing.
Dimensions & Weight	Ca. 241 x 133 x 149 mm, 1,7 kg (standard 4 gas with batteries)
Accessories	Standard: manual with video training, alkaline batteries, shoulder strap, hydrophobic probe, 5 foot hose, internal hydrophobic filter Optional: dilution fitting (50/50), Ni-MH batteries, battery charger(115 VAC, 220 VAC or 12 VDC, charge time 4 hours), continuous operation adapter (115 VAC, 220 VAC or 12 VDC), extension hoses

Gases & Detectable Ranges	
Standard Confined Space Gases	
Hydrocarbons (CH ₄ , std)	0 - 100% LEL 0 - 50,000 ppm
Oxygen (O ₂)	0 - 40% Vol.
Carbon Monoxide (CO)	0 - 500 ppm
Hydrogen Sulfide (H ₂ S)	0 - 100 ppm
Toxics	
Ammonia (NH ₃)	0 - 75 ppm
Arsine (AsH ₃)	0 - 1.5 ppm
Chlorine (Cl ₂)	0 - 3 ppm
Hydrogen Cyanide (HCN)	0 - 10 ppm
Phosphine (PH ₃)	0 - 1 ppm
Sulfur Dioxide (SO ₂)	0 - 6 ppm
IR Sensors	
Carbon Dioxide (CO ₂)	0 - 10,000 ppm 0 - 5% Vol. 0 - 60% Vol.
Methane (CH ₄)	0 - 100% LEL 0 - 100% Vol.
Hydrocarbons	0 - 100% LEL 0 - 30% Vol.
PID Sensors	
VOC	0 - 4,000 ppm 0 - 50 ppm
TC Sensors	
Methane (CH ₄)	0 - 100% Vol.
Hydrogen (H ₂)	0 - 10% Vol. 0 - 100% Vol.

The EAGLE 2 can be configured with up to 6 gas sensors from the above list.

All Specifications subject to change without notice.



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