



SINGLE POINT STAND ALONE MONITOR

Gas Detection For Life

PS 2 Model



Features

- LEL detection available for many gases
- 2 alarm levels
- Stand alone system
- Input voltages: 24 VDC standard, 115 VAC or 48 VDC (optional)
- Audible and visual alarms
- Compact design
- Simple installation
- AC version equipped with power cord
- Relay contacts rated 12A @ 115 VAC
- Low maintenance

Industry Applications

- Battery storage and charging locations
- Petrochemical plants
- Refineries
- Water & wastewater treatment plants
- Gas, telephone, & electric utilities
- Manufacturing facilities
- Steel
- Automotive
- HVAC
- Buildings on landfill

A perfect low cost solution for hydrogen detection in battery rooms, or for LEL level detection of a variety of flammable or solvent vapors in general industry.

The Model PS 2 is a multipurpose gas monitor utilizing a MOS (metal oxide sensor) for long lasting and low maintenance detection of LEL levels of many gases or vapors. The PS 2 has two alarm levels for increasing gas or vapor levels. Inquire at the factory for your specific requirement. Each alarm level activates a 12 amp relay inside the unit, and terminals are provided for wiring the relay to activate an external alarm device or some other device such as a ventilation fan.

This stand alone unit is housed in a durable plastic enclosure with flanges provided for wall mounting and is designed with easy access wiring hubs on the bottom of the unit. The front of the PS 2 contains three lights; Pilot, Alarm 1, and Alarm 2. An internal audible alarm (85 db) activates in a gas alarm condition, and alarm relays are activated.

The standard PS 2 is supplied with the gas sensor located on the end of a 30 foot cable (other cable lengths are also available). Power options include 24 VDC as standard, with 115 VAC or 48 VDC versions available, and the AC version comes complete with a 6' power cord. For use in non hazardous locations only.

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World Leader In Gas Detection & Sensor Technology
www.rkiinstruments.com

Outputs	
Relays	12 amp rated contacts for each alarm
Audible	85 db alarm at 10 cm
Visual	Alarm 1: Orange LED Alarm 2: Red LED
Environmental	
Operating Temp	35°F to 120°F (2°C to 49°C)
Relative Humidity	10 - 95% RH, non condensing
Physical	
Dimensions	Height: 6.85" 174 mm Width: 6.48" 165 mm Depth: 3.30" 84 mm
Enclosure	ABS plastic, indoor housing
Sensors	
Sensor Types	Metal Oxide Semiconductor type (MOS)
Measuring Ranges	LEL levels available for many gases. Typically set to 10% LEL for alarm 1, and 25% or 30% LEL for alarm 2 (Highest possible setting is 30% LEL).
Sensor Connector	Sensor is connected to 30' extension cable wired to terminals inside unit. Cable length can be decreased or increased as needed.
Power	24 VDC (standard) 115 VAC or 48 VDC (optional)
Warranty	One year materials and workmanship

Partial List Of Detectable Gases	
Many other gases available. Contact RKI for gases not listed	
Ethyl Alcohol	C ₂ H ₅ OH
Hexane	C ₆ H ₁₄
Hydrogen	H ₂
Iso-Butane	i-C ₄ H ₁₀
Isopropyl Alcohol	(CH ₃) ₂ CHOH
Methane	CH ₄
Propane	C ₃ H ₈

Detectable Gases

The PS 2 uses a Metal Oxide Semiconductor (MOS) type sensor for the detection of gases and vapors. This MOS sensor is known for its very long life and truly low maintenance requirements. The PS 2 and its MOS sensor effectively respond to a wide variety of hydrocarbons and other gases or vapors. Alarms can be set at LEL levels for flammable gases or vapor warnings.

Since the PS 2 sensor is a general hydrocarbon sensor, it is not specific to any particular gas. This instrument will perform best if used in an area where the only gas or vapor present, besides fresh air, is the gas or vapor that you wish to detect. If used in an area contaminated with many different gases or vapors, false alarms may occur. Please carefully evaluate the application and the area to ensure that no interfering gases are present.

The PS 2 is an effective solution for solvent vapor monitoring around processes, hydrogen monitoring in battery rooms, natural gas detection in basements around landfills, and many others. Please consult the factory for practical alarm points for your application. Highest practical LEL alarm point is 30% LEL.

* Specifications subject to change without notice.



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