



PS-2 MODEL

A perfect low cost solution for hydrogen detection in battery rooms, or for LEL or PPM 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 at the LEL or PPM levels of many gases or vapors. The PS 2 has two alarm levels for increasing gas or vapor levels, at the PPM level for detection of many solvent vapors, or for LEL level detection of flammable vapors. 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. 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). Each unit is powered by 115 VAC standard or 24 VDC as standard (48 VDC versions optional), and the AC version comes complete with a 6' power cord.



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 for OSHA established TLV levels for many gases or solvent vapors, and at LEL levels for flammable 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 degreasers or other 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.

Partial List Of Detectable Gases

Ethyl Alcohol	C ₂ H ₅ OH
Gasoline	
Hexane	C ₆ H ₁₄
Hydrogen	H ₂
Iso-Butane	i-C ₄ H ₁₀
Isopropyl Alcohol	(CH ₃) ₂ CHOH
Methane	CH ₄
Methylene Chloride	CH ₂ Cl ₂
Perchloroethylene	CCl ₂ CCl ₂
Toluene	C ₇ H ₈
Trichloroethane	C1CH ₂ CHCl ₂
Xylene	C ₆ H ₄ (CH ₃) ₂

Many other gases available.
Contact E.R.E. for gases not listed





Specifications

Relays: 12 amp rated contacts for each alarm

Audible: 85 db alarm at 10 cm

Visual: Alarm 1: Orange LED
Alarm 2: Red LED

Operating Temp: 35°F to 120°F (2°C to 49°C)

Relative Humidity: 10 - 95% RH, non condensing

Dimensions:

Height: 6.85" 174 mm

Width 6.48" 165 mm

Depth 3.30" 84 mm

Enclosure: ABS plastic, indoor housing

Sensor Types: Metal Oxide Semiconductor type (MOS)

Measuring Ranges:

LEL or PPM levels available for many gases.

Sensor Connector: Sensor is connected to 30' extension cable wired to terminals inside unit. Cable length can be decreased or increased as needed.

Power: 115 VAC or 24 VDC
48 VDC (option)

Warranty: One year materials and workmanship.

Features

- LEL or PPM detection ranges available for many gases
- 2 alarm levels
- Stand alone system
- Input voltages:
115 VAC standard, 24 VDC 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 locations
- Petrochemical plants
- Refineries
- Water & wastewater treatment plants
- Degreasers
- Gas, telephone, & electric utilities
- Manufacturing facilities
- Steel
- Automotive
- HVAC

RK-73-1021RK-01

PS 2 For LEL Detection W/ 115 V AC Power Source

RK-73-1021RK-02

PS 2 For PPM Detection W/ 115 V AC Power Source

The PS 2 is provided with the sensor on a 30 ft cable. 115 V AC version is supplied with a 6 ft power cord.

