

SINGLE POINT STAND ALONE MONITOR

Gas Detection for Life

Model PS-2



Features

- Stand alone system
- 2 alarm levels
- Audible and visual alarms
- Compact design
- Simple installation
- Relay contacts rated 12A
- Low maintenance
- LEL or PPM detection ranges available for many gases

Applications

- Petrochemical plants
- Refineries
- Manufacturing facilities
- Battery storage locations
- Degreasers
- Steel & Automotive
- HVAC
- Gas, telephone, & electric utilities

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. Each alarm level activates a 12 amp relay inside the unit, and terminals are provided for wiring the relay to activate an external alarming 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 (fault), Alarm 1 and Alarm 2. An internal audible alarm (85 db) is also built in which activates in a gas alarm condition. The standard PS 2 is supplied with the gas sensor located on the end of a 30 foot (9 meter) cable (other cable distances are also available). Each unit is powered by 115 VAC standard or 24 VDC as standard.

Technical Specifications:

Sensor Type	Metal Oxide	Operating Conditions	2 – 49°C, 10 – 95% RH
Sampling method	Diffusion	Relay	12 Amp for each alarm
Measuring ranges	PPM and LEL for various gases	Sensor Connector	30 Foot standard (9 meter)
Supply Voltage	24 Volts DC or 115 Volts AC	Dimensions in mm	165 (L) x 174 (H) x 84 (W)

Detectable Gases:

Acetylene C ₂ H ₂	Ethane C ₂ H ₆	Hydrogen H ₂	Propane C ₃ H ₈
Acrylonitrile CH ₂ CHCN	Ethyl Alcohol C ₂ H ₅ OH	Iso-Butane i-C ₄ H ₁₀	Propylene C ₃ H ₆
Butane C ₄ H ₁₀	Ethylene C ₂ H ₄	Isopropyl Alcohol (CH ₃) ₂ CHOH	Propylene Oxide C ₃ H ₆ O
Butadiene C ₄ H ₆	Ethyl Ether (C ₂ H ₅) ₂ O	Methane CH ₄	Toluene C ₇ H ₈
Butylene C ₄ H ₈	Gasoline C _n H _m	Methylene Chloride CH ₂ Cl ₂	Trichloroethane ClCH ₂ CHCl ₂
Cyclohexane C ₆ H ₁₂	Hexane C ₆ H ₁₄	Perchloroethylene CCl ₂ CCl ₂	Xylene C ₆ H ₄ (CH ₃) ₂

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