



Pump Room Gas Alarm



The pump room gas alarm system design for detecting combustible gas catalytic combustion principle. Each system consists of the detection, alarm and meter unit tailormade to customer requirement. If combustible gas is detected and exceeds the alarming level (usually 10% of L.E.L – Lower Explosion Limit), the lamp and buzzer unit will be activated. Additionally, Oxygen (O₂) and Hydrogen Sulfide (H₂S) monitors utilizing electrochemical principle can be fitted to meet terminal requirements.

Features

- High Reliability
- Continuous Monitoring in C.C.R
- Adjustable alarm settings
- Compact Design
- Easy Maintenance
- Easy Installation
- Dimmer function
- Local panel gas leak monitoring and shutdown
- Approval by major classification societies

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Pump Room Gas Alarm System is developed to comply with SOLAS Chapter II-2, Reg.4.5.10.1.3 for continuous monitoring of the concentration of Hydrocarbon Gases in cargo pump-room. It is designed to withstand the extreme environmental conditions on-board ships. Suitable for marine and offshore installations like chemical parcel tanker, chemical / product tanker, oil tanker, container vessel, FSO, FPSO etc.. Land based system catered for the petrochemical, refinery and process installations are available.

Technical Specifications	
Power Source	AC100V
Power Consumption	660VA
Measuring Gas	Combustible Gas in Air
Indication Accuracy	± 5%
Alarm Setting	10% LEL (Panel inside : 30% LEL)
Measuring Points	a. Max 6 points (Auto / Manual Security) b. Normal 3 points c. 1 point (Panel Inside)
Ambient Temperature	-10 °C to 45 °C
Gas Alarm Monitor Panel	a. Dimension : 400 x 400 x 200mm b. PLC % LCD Display & Alarm c. Relay Terminal
Sampling Panel	a. Suction Pump b. Detector Head c. Flow Switch d. Solenoid Valve e. Filter f. Flame Arrestor

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