

## **Pump Room Gas Alarm System**

*In accordance to IMO Reg. SOLAS Chapter II-2, Reg. 4.5.10.1.3*

### **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



### **General Description**

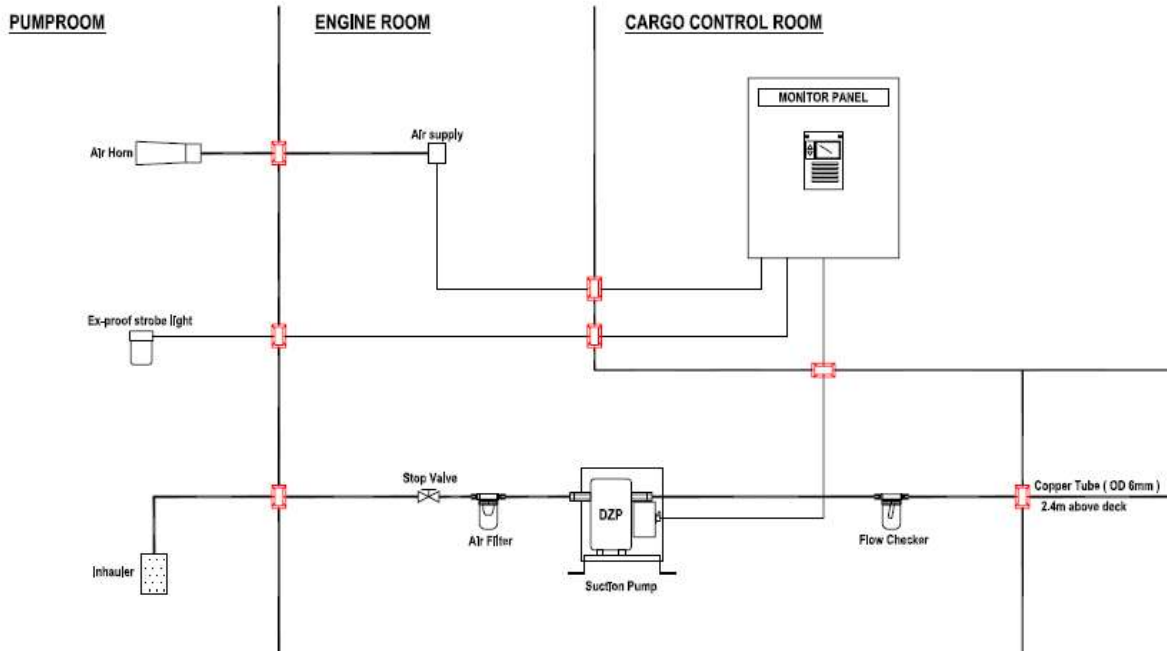
PRGA Series is a gas alarming system design for detecting combustible gas catalytic combustion principle. Each system consists of the detection, alarm and meter unit tailor-made to customer requirement. If combustible gas is detected and exceeds the alarming level(usually 10% of L.E.L – Lower Explosion Limit), the lamp and buzzer unit will be activated. Additionally, Oxygen (O<sub>2</sub>) and Hydrogen Sulfide (H<sub>2</sub>S) monitors utilizing electrochemical principle can be fitted to meet terminal requirements.

### **Application**

PRGA Series 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 SPECIFICATION**



- Model : PRGA-M
- Sampling Method : By Suction
- Sensing Method : Catalytic (Hydrocarbon)  
Electro-chemical (H<sub>2</sub>S, O<sub>2</sub>)
- Measuring Range : 0 ~ 100% L.E.L  
0 ~ 25% Vol. Oxygen  
0 ~ 200ppm (H<sub>2</sub>S)
- Alarm Level : 10% L.E.L (pre-alarm)  
20% L.E.L (main alarm)  
30% L.E.L (shutdown)  
10ppm H<sub>2</sub>S (pre-alarm)  
20ppm H<sub>2</sub>S (main alarm)  
5% Vol. O<sub>2</sub> (pre-alarm)  
10% Vol. O<sub>2</sub> (main alarm)
- Features : Digital indicator, Audio and visual alarm, Power fail alarm,  
Sensor abnormal alarm, External alarm contact, External  
shutdown, Alarm contact
- Power : 110VAC, 220VAC, 100W

<p>Manufacturer :</p> <p>MODERN Automation &amp; Engineering Pte Ltd Blk 4026, #01-263 Ang Mo Kio Industrial Park 1 Singapore 569637. Tel : +65 6451 6313 Fax : +65 6451 5501 E-mail : sales@modernautomation.com.sg Website : www.modernautomation.com.sg</p>	<p>Distributed by :</p>
--	-------------------------