Ballast Tank Combustible Gas Alarm Monitoring System

In accordance to SOLAS (2000 Amendments) MSC 99(73): Part B, Reg. 4-5.7.2 Requirements for Double Hull & Double Bottom Space



Features

- High Reliability
- Easy to Operate
- Multi-Channels
- Flow fail Alarm
- Easy Installation
- Easy Maintenance
- Ex-Proof by Class NK

Type / Class Approval

- Class NK
- Lloyd's Register
- Det Norske Veritas (DNV)
- American Bureau of Shipping (ABS)

General Description

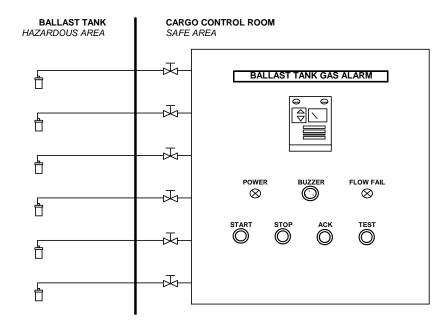
BTGA Series is a multi-detection type gas alarming system design for detecting combustible gas using catalytic combustion principle. Each system consists of the detection, alarm and meter unit tailor-made to customer requirements. When combustible gas levels higher than that set for the alarm (usually 10% of L.E.L – Lower explosion limit) is detected, the lamp and buzzer will be activated.

Application

BTGA Series is developed for Ballast Tank Combustible Gas Alarm and monitoring purposes. The system is designed to withstand the extreme environmental conditions on a ship's ballast tanks, which meets terminal requirements of all oil major.

Suitable for marine and offshore installers like chemical parcel tankers, chemical / product tankers, oil tankers, FSO, FPSO etc. Land-based system catered for the petrochemical, refinery and process installations are available.

TECHNICAL SPECIFICATION



Model : Monitor panel: BTGA-n

(n means the number of monitoring points)

Sampling Method : Suction Pump

Sensing principle : Catalytic Combustion Method

Measuring Range : 0 – 100% L.E.L (Lower Explosion Limit)

Accuracy : Within $\pm 5\%$ L.E.L

Alarm Display : Red LED (Flicker) and Buzzer

Alarm Level: 10% L.E.L (Adjustable)

Second Alarm (optional)

Alarm Accuracy : $\pm 25\%$ of Alarm Set Level

Trouble Display : Sensor Fault Alarm (Red LED continuous on and Buzzer

continuous on)

Alarm Output : Normally close and normally open contact

(AC125V or DC30V. 1A Max.)

Other Alarm : Flow Fail Alarm

(Stop pump, alarm lamp and buzzer on)

Operating Conditions : -10°C to 50°C under humidity less than 90% RH

Power Source : AC220V or AC110V

Power Consumption : 200W Max.

Safety Approval : Explosion Proof approval by Class NK

Piping Size : 8mm Dia

Material in Tank : Stainless Steel SS 316

Manufacturer :	Distributed by :
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