

GAS SAMPLING SYSTEM

TYPE OGS 2.1

FOR CARGO PUMP ROOM AND OTHER APPLICATIONS



OMICRON Gas Alarm OGS 2.1 is a fixed detection system for pump rooms, AC inlets (ISGOTT 5th edition) and other areas. The sensors are based on Eex D approval. Most common gas sensor types are hydrocarbon, oxygen and hydrogen-sulphide. The system can independently handle infinite number of sensors. Each alarm unit have individual display, 4 adjustable independent alarm setpoints and possibilities for voting. Furthermore, each alarm unit has separate alarm LEDs for system/sensor failures.

• The system fulfils the latest IMO and classification societies' rules and regulations.

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Solutions you can trust

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OMICRON Gas Alarm OGS 2.1 is a micro controller based gas detection system for pump rooms. The system is complete with sensors and connection points. The OGS 2.1 can be delivered as a split version with the alarm panel mounted in a separate cabinet.

The alarm panel has individual displays, alarm LEDs for all gases, and system alarms. The system will be factory adjusted to give an alarm at a specific gas level, but can easily be set to other levels without any instruments. As standard are potential free output relay contacts for power failure and common system failure, in addition to a common relay for each gas type that the system is configured for. The system also drives a bridge remote alarm panel.

Standard features:

- Combustible type hydrocarbon sensor.
- Electrochemical Oxygen sensor.
- Electrochemical Hydrogen Sulphide sensor.
- Power failure relay output.
- Common gas alarm relay output (for each gas type).
- Common system alarm relay output.
- Bridge remote panel.

Options:

- IR hydrocarbon sensors.
- O₂ sensors.
- H₂S sensors.
- RS-485/422 serial line (MODBUS RTU).
- Cargo pumps emergency shut down function.
- Integrated temperature alarm system for cargo pump bearings.
- Other gas types on request.

Specifications:

Power supply	: 230/115 V AC Nom.
Alarm for system failure	: Yes
Alarm for loop fail	: Yes
HC sensor range	: 0-100 % L.E.L. (N- BUTANE in air)
Oxygen range	: 0-25.0 % Vol. O ₂
Hydrogen-sulphide range	: 0-25 ppm H ₂ S

