

# GAS SAMPLING SYSTEM

## TYPE OGS 3.1 I

FOR GAS DETECTION IN ENCLOSED SPACES



THE FOLLOWING HIGHLIGHTS ARE MENTIONED:

- NEW COMPACT DESIGN
- SMALLER CABINET
- IMPROVED FUNCTIONS
- UPGRADED SOFTWARE
- MORE MAINTENANCE FRIENDLY



**NEW DESIGN OF THE WELL KNOWN OGS 3.1 GAS SAMPLING SYSTEM.**

Omicron Gas Sampling System can be used in all spaces where gas detection is requested. Our systems can handle several gasses simultaneously. Omicron systems have the unique automatic "blowback feature", which together with two sampling pumps create a rapid and clean sampling cycle. Hence for Gas tankers we are able to handle more points and still maintain the 30 minute rule of IMO Gas Code.

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

**OMICRON**  
Solutions you can trust



# GAS SAMPLING SYSTEM

## TYPE OGS 3.1 I (NEW MODEL)

### Standard features:

- Infrared hydrocarbon sensor with range 0 - 100 % L.E.L.
- Low and high gas alarms.
- Flame arrestor and shut-off valve for each sampling tube.
- Automatic and sequential purging of each sampling tube.
- Manual disconnection of sampling points not in use (e.g. when water in ballast tanks).
- Two vacuum pumps (main and sample).
- Non-return valves mounted on deck for ballast tanks in order to avoid liquid entering into the system.
- Extensive hardware and software system monitoring.

### Optional features:

- Up to 5 additional units with control transfer function. Multiple operating panel.
- Remote alarm unit. Simple alarm status panel with LEDs and buzzer (e.g. for Bridge).
- Aux. relay outputs. Up to 32 relay outputs, freely configurable to any sample point.
- Standby pump with manual switch over.
- Dual purge supply (E.g. Nitrogen and instrument air).
- Multi-gas detection. Up to 3 different gas sensors can be installed.
- Alarm printer.
- Bulkhead penetrations.
- Automatic disconnection of sample line when sample point is manually disconnected from scanning cycle.
- RS 485/422 ModBus RTU serial line output to external computer.
- Custom made systems on request.

### Specifications:

Number of gas sampling points .....	Max. 48
Purge air supply .....	6-8 Bar
Power supply .....	230V AC Nom.
Alarm for clogged tubes .....	Yes
Calibration gas .....	Included
Serial line communication .....	RS 485/422 (MODBUS RTU)
Sample/purge time range .....	25 s - 9999 s

