

GAS SAMPLING SYSTEM w/OIL MIST MONITORING

TYPE OGS 3.1 I (NEW MODEL)

THE FOLLOWING HIGHLIGHTS
ARE MENTIONED:

(GAS)

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

(OILMIST)

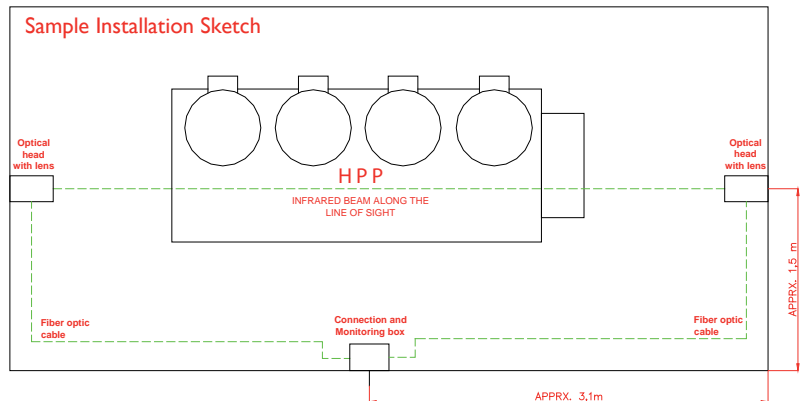
- Large area coverage per unit
- Satisfy vetting inspectors
- Cost effective protection against high damage risk
- Easy configuration of alarms
- Multiple alarm levels: lens cleaning alarm & oil mist alarm
- Easy to maintain
- Easy cleaning of open lenses



NEW DESIGN OF THE WELL KNOWN OGS 3.1 GAS SAMPLING SYSTEM, NOW ALSO WITH AMBIENT OIL MIST DETECTION FOR PRODUCT AND CHEMICAL TANKERS

Omicron Gas Sampling System can be used in all spaces where gas detection is requested. Our systems can handle several gasses simultaneously. Omicron systems has the unique automatic "blowback feature", which together with two sampling pumps create a rapid and clean sampling cycle.

AMBIENT OIL MIST DETECTOR is used to monitor pump rooms, engine rooms, and other facilities. As the IMO points out, most engine-room fires are the result of the build up of oil mist. Thus early alarms on the formation of oil mist are important. This small safety investment yields great benefits while more and more vetting inspectors would like to see this equipment on-board. The unique sensor is ideal for applications where an accurate response to smoke, dust, or oil mist is required in unattended machinery spaces. The line-of-sight measurement principle solves this problem elegantly and is on top of that used as a smoke alarm.



OMICRON
Solutions you can trust

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GAS SAMPLING SYSTEM w/OIL MIST MONITORING

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:

- 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.
- Dual purge supply (E.g. Nitrogen and instrument air).
- Multi-gas detection. Up to 3 different gas sensors can be installed.
- 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 |

Oil Mist Sensor features:

| | |
|-----------------------------------------------------|------------------------------|
| Operating temperature | 0°C – 65°C |
| Head dimensions | HxWxD:<120x100x60 mm |
| Scanning distance | 3 to 9 m - optional 1 to 3 m |
| Length of fibres..... | 4,5 m - optional 6 or 7,5 m |
| Socket grade A steel – welded to structure | |
| Optic fibres glass fibres in stainless steel jacket | |



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