GAS SAMPLING SYSTEM – TYPE OGS 3.11

Product datasheet

NEW DESIGN OF THE WELL KNOWN OGS 3.1 GAS SAMPLING SYSTEM

Gas sampling systems 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.

Features
• New compact design
• Smaller cabinet
• Improved functionality
• Upgraded software
• More maintenance friendly

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

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. Mutiple 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