

# OAS 5

Omicron high level/  
overflow alarm system  
from Autronica Fire and Security

## Just the right amount. Fill it up!

Our high level / overflow alarm system is the classical product in the Omicron range. Ever since the first system was delivered in 1989 we have continuously improved and optimized the system to the robust, market leading design of today. The OAS 5 is designed to monitor all pumpable liquid cargo types as an independent alarm system as required by IMO's "International Code for Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk" (IBC Code) as well as classification societies rules for chemical, oil product and gas carriers.

Each system is specified in line with the individual customer's needs and contains a monitoring cabinet and a sensing element, optimized for the various cargo types and able to withstand the most demanding maritime conditions.



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#### SPECIFICATIONS

Sensor operating temp.: -200°C to +200°C  
Power supply: 230 V AC  
Backup power supply: 24 V DC  
Serial line comm.: RS 485/422  
Modbus RTU  
(optional)

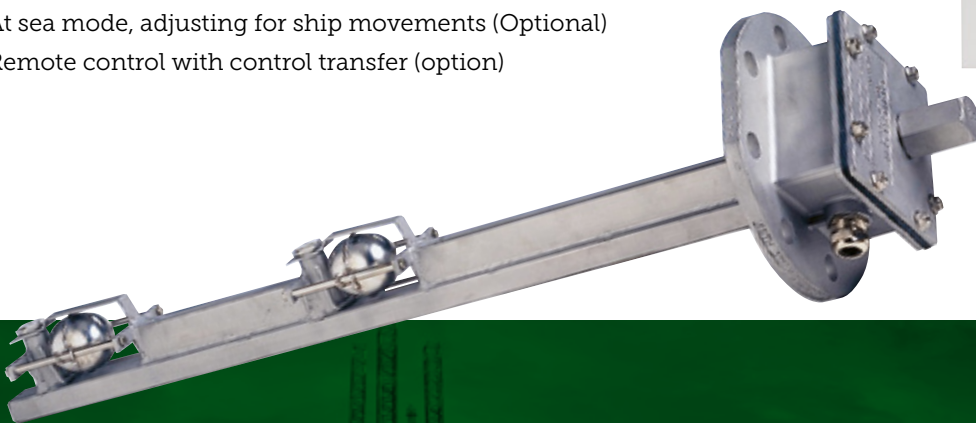
## Unique design – Robust & reliable

The core of the OAS 5 system is the sensing float 8903, which is able to withstand high pressure, low density and high temperatures. The float is based on a distinctive fail-safe permanent magnet – reed switch design and available in 4 standardized versions, including specific LNG/LPG types. The complete sensor element is made out of stainless steel with minimal contact areas between float and guides, making it extremely suitable for sticky cargos and fully resistant to tank cleaning machines.

Based on our experience with more than 2000 installed systems globally, are we convinced that fast and reliable level monitoring starts with high performance sensor design – Omicron Alarm System 5.

## Features

- Preconfigured 1 to 3 alarm level thresholds
- Suitable for all pumpable liquid cargo types
- Resistant to tank cleaning machines
- Application specific sensor types, e.g. LNG / LPG
- Same alarm point for different cargo densities
- Alarm hold function, avoiding repeating alarms from same sensor
- Fail safe, fully encapsulated design
- Intrinsically safe connections to sensors
- Mechanically and electrically separated high level and overfill alarms
- No active electronic components in the open deck area
- Alarm panel in electronic cabinet or remote
- Connectable to external alarm / control system
- Manual sensor / system test functionality
- Continuous system verification
- At sea mode, adjusting for ship movements (Optional)
- Remote control with control transfer (option)



Contact us today for more information,  
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