Geopal System A/S
Service on ships

Service Interval on ships

Service interval concerning gas detectors used on ships. Geopal System A/S recommends that the gas detection equipment is tested and calibrated by the supplier at least twice spread over a five year period, and no more than 3 years in between service check.
Once a year the equipment is tested by own competent staff and calibrated using spangas according to the maintenance manual.

In order to perform a calibration of the gas detector you need a test gas fitted with a valve and a flow meter, a suitable length of soft plastic hose and a hose connector, calibration ring or calibration mask depending on the detector type used.

Test gas on aerosol cans

The detector is designed with a hole at the bottom of the sensor unit. This hole is intended to facilitate the inflow of test gas during calibration. Via the hose connector the test gas is led to the hole at the bottom. This way the gas is forced in through the bottom hole and tested effectively.

This method makes it possible to use a moderate amount of gas for the calibration. A flow of about 200 ml per minute will normally be enough. With a flow of 200 ml per minute 10 litres of test gas will be sufficient for about 50 minutes of gas flow.

The aerosol can with test gas is delivered with or without pressure. For minimizing transportation costs you can very often benefit from transporting the aerosol can pressureless. Without pressure the can contains 1 l atmospheric air and the gas in question.

Before use, fill the can with 10 bars using a filling adapter/filling valve (must be ordered separately). Use compressed atmospheric air from a standard compressor.

Test gas is ready for use 8 hours after filling.

<u>Spangas life:</u>

H_2S: 1 year
O_2, CO, LEL: 3 years
N_2: 5 years