ODME 2005
OIL DISCHARGE MONITOR

The JOWA ODME 2005 Oil Discharge Monitor is approved in accordance with the test and performance requirements for “third generation” monitors, according to IMO resolution MEPC 108(49).

The requirements of the MARPOL Convention are that all oil tankers with a gross tonnage of 150 GRT and above must have an oil discharge monitoring and control system installed, incorporating an approved oil content meter, with a starting interlock and an automatic overboard valve control system.

Main Features

- Oil content meter is certified to meet the requirements of IMO and MEPC 108(49)
- The measuring range is 0-1000 ppm
- Easy to operate as it is a minimum of buttons to press and self explanatory menus
- Robust, easy to install and easy to maintain
- A unique self-cleaning feature, making manual cleaning virtually unnecessary
- A high quality product. The components are designed for obtaining long lifetime in a rough environment
- Approvals: EL, USCG, RMRS and CCS
A computer unit
Intended to be installed in the cargo control room or in an equivalent non-hazardous area. This computer unit controls and receives data from the other ODME components. This information could be displayed or printed out an external computer or printer, according to the requirements of the IMO resolutions.

A Zener barrier unit
Intended to be installed in the engine room or equivalent safe area. The Zener barrier module converts electrical power supply and zener barriers for the analysing unit and for up to two 4-20mA loop powered flow meters.

An Analysing unit
Intended to be installed in the hazardous area. The analysing cabinet contains the oil content measuring unit, a sample pump and some buttons for the analysing unit and for the control panel. The computer cabinet contains a control panel, a compact unit to monitor electrical signals from the sensor. The compact unit controls and records the sensor, which makes the sampling pipes distance between the sampling probes and the analysing cabinet as short as possible.

**Oil Discharge Monitor**

Consists of the following main parts:

- Computer unit
- Zener barrier unit

**Schema Arrangements of System**