Smart ODME to MEPC 108(49)

Smart ODME Pump - Measuring Cell

Applications

- Ballast Water Discharge
- Regulatory Compliance
- FPSO/FSO/FSU Ballast Water Discharge

Smart ODME Computer Module

The Oil Discharge Monitoring Equipment (Smart ODME) has been designed to provide means of monitoring, recording and controlling the ballast discharge for crude oil, product and chemical tankers including ICE class vessels. This system is modular in construction and does not require the usual pump/motor bulkhead penetration as used on older systems. The Smart ODME includes all components required to meet MEPC 108(49) and the latest MEPC 240(65) for Bio Fuels, effective 1 January 2016.

The Smart ODME incorporates a 'simulation mode' to aid system demonstration to PSC surveyors, is designed for ease of retrofitting, operation, installation and maintenance.

Discharge limits are set at 30 litres of Oil per nautical mile or 1 / 30,000 of the previous cargo for dirty ballast.

Smart ODME to MEPC 108(49)

Specification

Measurement	
Oil types:	As Per MEPC 108(49) + MEPC 240(65) requirements
Clean water calibration:	Automatic
Oil measurement range:	0 - 1000 ppm all types
Resolution:	1 ppm
Accuracy oil + solids:	As Per MEPC 108(49) requirements
Data Storage and Retrieval	
Data retrieval:	via LCD display or download to PC using Hyperterminal
System and Supply	
Supply voltage:	115 / 230V ac, 50 - 60Hz (Switchable)
Zener Barrier/Computer Module:	115 / 230V ac, 50 - 60Hz (Switchable)
Motor:	380-440V ac, 50-60Hz, 3 phase, 250W
Supply voltage Consumption:	< 50 VA Single Phase
Approvals:	MEPC 108 (49) - DNV GL, GL + USCG, ABS, CCS, NKK, BV, and Russian Register MEPC 240(65) - DNV GL

Specifications and system descriptions accurate at time of printing. These are subject to change.