

MariNOx[®]

ENGINE EMISSIONS MONITORING SYSTEM

MariNOx[®] is the world's first Type Approved (LR) on-board NO_x, CO₂, SO_x & engine efficiency monitoring system providing the simplest solution for compliance with Annex VI of MARPOL, 'The NO_x Technical Code' and MEPC.103(49). The system provides monitoring of exhaust gases and engine / ambient parameters to calculate NO_x emissions and enables continuous optimisation of engine performance to deliver fuel savings of up to 4%, providing rapid return on investment.

MariNOx[®] is the simple compliance solution over the onerous and risky 'Parameter Check' method.

- YOUR RISK FREE SOLUTION TO EMISSIONS LEGISLATION
- PROVEN MAJOR FUEL SAVINGS
- PROVEN REDUCTIONS IN SHIPS CO₂ EMISSIONS
- CO₂ MONITORING AS STANDARD – NTC RESOLUTION 8
- PRE-PORT/ SECA ENTRY REPORTING
- TOTALISED EMISSIONS REPORTING FOR 'GREEN' CHARTERERS
- FUTURE-PROOF FOR FUTURE EMISSIONS LEGISLATION



Winner of the:



'We will excel, innovate and be remarkable to lead our market sector'



DATASHEET



MARINOX/0107/PP/1

SPECIFICATIONS

MariNOx[®] is a self-contained system providing the TOTAL solution to compliance with 'The NO_x Technical Code' and MEPC.103(49). Installed without affecting the operations of your vessel, single or multi-point sampling ensures your main and auxiliary engines are always in compliance.

STANDARD ANALYSERS	NO _x , CO ₂
OPTIONAL ANALYSERS	SO _x , CO, O ₂ , hydrocarbons
ANCILLARY INPUTS	Engine performance parameter sensors, ambient temperature, pressure & humidity sensors as required by 'The NO _x Technical Code & MEPC.103(49)
SAMPLE CONNECTION	MEPC.103(49) approved connection flange
STANDARD SAMPLE LINE	10m of 40mm Ø heated self-regulating, insulated sample line connecting probe to analysis unit
SAMPLED GAS RETURN	Vented to atmosphere
ENCLOSURE	Floor standing powder coated steel to RAL7035 with mounting brackets
DIMENSIONS	1600mm(H) x 600mm(W) x 600mm(D)
WEIGHT	200kg
ENVIRONMENTAL	Certified to IACS E10 / LR ENV 2 / DNV Class A/B BV spec Pt C, Ch 3, section 6
INGRESS PROTECTION	IP54
POWER SUPPLY	110/230VAC, 60Hz consuming ~ 250W max
CABLE/SAMPLE ENTRIES	Via gland plate in rear panel
OUTPUT	Visual display of specific NO _x level g/kW h encrypted secure data file for submission to Class and Flag via removable 'Compact Flash' card
DISPLAY	5.7" graphical LCD touch screen. Simple menu based operating system
TYPE APPROVAL	Lloyd' Register certificate No. 04/00044 25 April 2005
REMOTE REPORTING	ClearVIEW[®] data evaluation fuel saving package, multiple engine configuration, GPS to time / date and position stamp for compliance 'ON DEMAND'



SPECIFICATIONS