Certificate No: LR26177157TA
Issue Date: 03/06/2026
Expiry Date: 02/06/2031

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Green Instruments A/S**
Address	Erhvervsparken 29, Brønderslev, 9700, Denmark
Type	Gas analyser units
Description	The Oxygen Analyzer type G36 and G36p continuously measures the content of oxygen with concentrations from 0 % to 21.0 %, using a zirconia sensor. The Oxygen Analyzer can be used to measure the content of oxygen in stack gas or in the nitrogen or flue gas based inert gas, and to monitor oxygen level in engine room compartments or room for inert gas system or accommodation area. G36a Oxygen Analyzer (standalone) G36p Oxygen Analyzer (panel mounted) Software version: 2
Trade Name	G36
Application	Marine and Offshore applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register Type Approval System, Test Specification Number 1 – July 2024.
Ratings	Power supply: G36:100-230 VAC (50/60 Hz) G36p: 24 VDC

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Pawan Borate

Specialist Electrical & Control to Lloyd's Register Marine and Offshore India LLP
A member of the Lloyd's Register group

Units 1702-1704, 17th Floor (Level-13), Building Q2, Aurum Q Parc; Gen 4/1 TTC, Thane-Belapur Road, Ghansoli, Navi Mumbai, 400710, India

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Measuring range: 0.0 - 21.0% O2
Linearity / Accuracy: 0.5% of measuring range
Repeatability: 0.1% of measuring range
Response time:
20% of total measured value @ < 10 s
90% of total measured value @ < 45 s

Other Conditions

The G36 Oxygen Analyzer shall be installed in safe, non-hazardous area, and in area with no high concentration of methane

The connection cables for the main supply, relays, interface, and analogue output signals should be shielded or provided with equivalent protection

The examination of software aspects is restricted to functionality demonstrated in the performance test

Low Temperature Test at 5°C for 2 hours

Type Approval does not eliminate the need (as required by LR Rules) the requirements for further review or for the product to be further inspected and/ or surveyed to be installed in ships classed or intended to be classed with LR

If the specified standards are amended during the validity of this certificate, the product is to be reapproved prior to it being supplied to vessels to which the amended standards apply

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Marine and Offshore India LLP of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR2104615TA

The Design Appraisal Document TSO-24-024985-E-01-LR26177157TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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