Certificate No: LR23354909MB
Issue Date: 13/08/2023
Expiry Date: 12/08/2028

Notified Body authorised by
BSH 0800-S23/4822:013

EC Type Examination (Module B) Certificate

This is to certify that:
LLOYD'S REGISTER Marine Deutschland GmbH (LRMD), designated as a “notified body” based on the notification of the Federal Maritime and Hydrographic Agency of Germany, did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU and the valid Commission Implementing Regulation (EU) in force indicating design, construction and performance requirements and testing standards for marine equipment, subject to the conditions below and the attached Schedule which also forms part of this Certificate.

Manufacturer	**Gastron Co., Ltd.**
Address	23, Gunpocheomdansaneop, 1-ro, Gunpo-si, Gyeonggi-do, South Korea
Reference	Marine Equipment Directive (MED) 2014/90/EU, Regulation (EU) 2022/1157
Regulation Item (No. & Item Designation)	MED/3.54b Fixed Oxygen Analysis And Gas Detection Equipment (explosive gas atmospheres)
Product Type	Fixed oxygen analysis and/or gas detection equipment
Product Description	Gas detection system
Specified Standard	IEC 60092-504: 2016, IEC 60533: 2015, EN 50104: 2019, EN 60079-0: 2018 incl. AC: 2020, EN 60079-29-1:2016, IMO MSC.1/Circ.1370.
Trade Name	GDS-10000

The attached Design Appraisal Document (schedule) forms part of this certificate. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

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Lloyd's Register Marine Deutschland GmbH, Überseeallee 10, D-20457 Hamburg, Germany.
A member of the Lloyd's Register group

Andrei Petrov

Electrical & Control - Senior Specialist
For and on behalf of Lloyd’s Register Marine Deutschland GmbH (2923)

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This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to and agreed with the notified body named on this certificate. The manufacturer should notify LRMD of any modification or changes to the equipment in order to obtain a valid Certificate.

Should the specified regulations or standards be amended during the period of validity of this certificate, the product is to be re-approved prior being placed on the market and on board vessels to which the amended regulations or standards apply.

The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D,E, or F) of ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

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