

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00007FR

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the fixed oxygen analysis and gas detection equipment

with type designation(s)
Regard 3910

Issued to

Dräger Safety AG & Co. KGaA
Lübeck, Germany

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2020/1170**,
item No. MED/3.54. SOLAS 74 as amended, Regulation II-2/4 & VI/3 and FSS Code 15

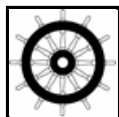
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2026-04-27**.

Issued at **Hamburg** on **2021-04-28**

DNV local station:
Hamburg – CMC North/East

Approval Engineer:
Dariusz Lesniewski



Notified Body
No.: **0098**

for **DNV SE**

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Christine Mydlak-Roeder
Head of Notified Body

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-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

REGARD 3910 is a stationary, continuously monitoring fixed installed gas detection system in an electrical cabinet.

It is measuring flammable gases and vapours.

The control system displays measured gas value and is fully configurable between 1 and 16 channels, depending upon the type and quantity of input/output boards installed.

The following components are included in this MED certificate:

Product name	Part no.	Version
REGARD 3910 (Display board for mounting into cabinet)	4208830	02/ (SW 04)
REGARD 3900 4-20 mA input module	4208782	05/ (SW 03)
REGARD 3900 Relay module	4208784	03/ (SW 02)
REGARD 3900 Modbus Gateway	SC00083	03
REGARD 3900 Modbus TCP/IP Gateway	SD13037	02
REGARD 3900 Profibus Gateway	AG01100	01

Application/Limitation

Ex-certification is not covered by this certificate. Application in hazardous area to be approved in each case according to the Rules and Ex-Certification/Special Condition for Safe Use listed in valid Ex-certificate issued by a notified/recognized Certification Body.

The equipment are found to comply with following location/application dependent requirements:

- EMC: Bridge and open deck zone (*ref. IEC 60092-504 (2016) table 1 item 14, 19*)
- Enclosure: Engine room (IP44) (*ref. IEC 60092-201 (2019) table 1*)
- Vibration: General applications (*ref. IEC 60092-504 (2016) table 1 item 10*)
- Temperature: Location (+5°C to +55°C) (*ref. IEC 60092-504 (2016) table 1 item 6, 7*)

Type Examination documentation

Tests carried out

- IEC 60092-504 (2016)
- IEC 60533 (2015)
- EN 60079-0 (2018)*
- EN 50104 (2010)*
- EN 60079-29-1 (2016)

*not applicable

Marking of product

For identification to this type examination certificate the products shall be marked with:

-Manufacturer's name or trade mark; -Type designation; -Mark of Conformity