

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL 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)
GTR 210 EX MED

Issued to

Ados GmbH
Aachen, Germany

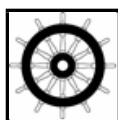
is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2019/1397**,
item No. MED/3.54. SOLAS 74 as amended, Regulation II-2/4 & VI/3 and FSS Code 15

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

This Certificate is valid until **2025-06-14**.

Issued at **Hamburg** on **2020-06-15**

DNV GL local station:
Essen



for **DNV GL SE**

Approval Engineer:
Dariusz Lesniewski

Notified Body
No.: **0098**

Gerhard Aulbert
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 GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.



Job Id: **344.1-010321-2**
Certificate No: **MEDB00006EV**

Product description

Gas transmitters type GTR 210 EX MED are used for measuring of combustible gases and vapours or oxygen.

Type	Measuring range	Gas
GTR 210 EX MED VQ (Pellistor)	0...100%LEL	alkanes (methane to hexane), hydrogen, ethanol
GTR 210 EX MED IR (infrared)	0...100%LEL	methane, propane
GTR 210 EX MED TOX (electro-chemical)	0...25Vol%	O ₂

Power supply: 24V DC

Output: 4...20mA

Display: graphical LC-display, background red/green/yellow, LED Power/Fault/MainFailure/Inhibit

Operating keys

Degree of protection: IP66/IP67

Software version: V3.08

Type Examination documentation

Tests carried out

IEC 60092-504:2016

IEC 60533:2015

EN 50104:2010

EN 60079-0:2012 incl. A11:2013

EN 60079-29-1:2016

*IMO MSC.1/Circ.1370 (not applicable)

Marking of product

The products to be marked with:

- manufacturer name
- model name
- serial number
- power supply ratings