



European notified body
Identification number 0736

EC-Type Examination (Module B) Certificate

Certificate No. **213.053**

Name and address of the manufacturer: **ADOS GmbH**
Trierer Straße 23-25
52078 Aachen (Germany)

Date of issue: **15.04.2015**

Annex A.1 Item No & Item designation: **A.1/3.54 – Fixed oxygen analysis and gas detection equipment**

Product designation: **Gas detection equipment (type 3)**

Product Type: **GTR 210 EX MED / GTR 210 Standard MED / GTR 210 Comfort MED**

Intended purpose: **Gas analysis detection equipment complying with SOLAS 74/88 Chapter II-2/4 and VI/3, as amended, IMO Resolution MSC.98(73)-(FSS-Code) 15.**

Testing based on (Specific standard): **IEC 60092-504 (2001) incl. IEC 60092-504 corrigendum 1 (2011)**
IEC 60533 (1999)
Type 3: explosiv gas atmospheres
- EN 50104 (2010)*, IEC 60079-0 (2011), EN 60079-29-1 (2007)
Type 4*: safe area
- EN 50104 (2010)*
(* = not applicable)

Remarks: **see overleaf**

The type tested was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 96/98/EC as amended by Directive 2013/52/EU subject to any conditions in the schedule (part of this certificate).

This certificate may only be used in connection with module(s) **D, E or F** of this directive.

Expiry date: **14.04.2020**



Signature (Niehus)

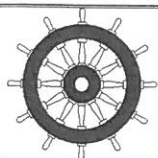


Installed equipment stays approved beyond the validity date until it is revoked!

Note 1: This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.

Note 2: Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.

Note 3: 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 B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.



xxxx/yy

Note 4: "Wheelmark" Format

YY Last two digits of year mark affixed.

XXXX Notified Body number undertaking surveillance module

Technical data / approved drawings and additional conditions and remarks:

1.

This EC-Type Examination Certificate is based on following documents:

- EMC test report no. 2175818.0501-EMC of the "DEKRA Certification B.V.", 6825 MJ Arnhem (NL), dated 25.02.2015
- Environmental test report no. 2175818.0502-EMC of the "DEKRA Certification B.V.", 6825 MJ Arnhem (NL), dated 25.02.2015
- EC- Type Examination Certificate no. DEKRA 11ATEX0257 X - version no. 2 of the "DEKRA Certification B.V.", 6825 MJ Arnhem (NL), dated 15.05.2013
- EC- Type Examination Certificate no. BVS 12 ATEX G 001 X der "DEKRA EXAM GmbH", 44809 Bochum (D), dated 06.12.2012
- 1. Supplement to EC- Type Examination Certificate no. BVS 12 ATEX G 001 X of the "DEKRA EXAM GmbH", 44809 Bochum (D), dated 15.10.2013
- Statement of the company ADOS GmbH (Mr. Rütgers), dated 26.02.2015.

2.

The terms of the Test Certificates / EC- Type Examination Certificates are part of this EC-Type Examination Certificate.

3.

The equipment "**GTR 210 EX MED / GTR 210 Standard MED / GTR 210 Comfort MED**" is certified only for use as fixed gas detection equipment (Type 3).

4.

The function of the oxygen analyzing is excluded and therefore not a part of the EC type examination certificate

5.

Alteration in design and construction have to be approved by the BG Verkehr, Dienststelle Schiffssicherheit.

5.

The equipment shall be marked in accordance with article 11 of the Council Directive 96/98 EC of 20 December 1996 on Marine Equipment as amended.

6.

This EC-Type Examination Certificate may only reproduced in full.

QS - CERTIFICATE OF ASSESSMENT - EC (MODULE E)

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 Quality System for the products**

with type designation(s) as specified in the Appendix to this Certificate

Issued to

Ados GmbH
Aachen Nordrhein-Westfalen, Germany

is found to comply with the applicable requirements.

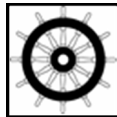
The quality system has been assessed with respect to the procedure of conformity assessment described in Annex II, Module E in the directive 2014/90/EU and regulation (EU) 2017/306.

This Certificate is valid until **2022-07-17**.

Issued at **Hamburg** on **2017-07-18**

DNV GL local station:
Essen

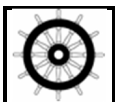
Approval Engineer:
Dariusz Lesniewski



Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudzus
Head of Notified Body



0098/yyyy

0098: Notified Body number undertaking quality surveillance
yyyy: The year in which the mark is affixed

The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate authorizes the manufacturer in conjunction with the valid EC Type Examination (Module B) Certificate(s) of the equipment listed before to affix the Mark of Conformity (wheelmark) to the product described herein. This certificate loses its validity if the manufacturer makes any changes to the approved quality system, which have not been notified to, and agreed with the notified body named on this certificate. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. The Manufacturer has to apply for periodical audits to verify the maintenance and application of the quality system every 12 months.



Job Id: **344.1-007107-1**
Certificate No: **MEDE0000015**

APPENDIX

Item no. MED/3.54 Fixed oxygen analysis and gas detection equipment

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
Gas Transmitter GTR 210 EX MED / GTR 210 Standard MED / GTR 210 Comfort MED ¹	213.053	2020-04-14	0736	N/A

Places of production

1. Ados GmbH, Trierer Str. 23-25, Aachen, Germany