

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 Oxygen analysis and gas detection equipment**

with type designation(s)

Gas Alert Quattro Four Gas Monitor Rechargeable H2S, CO, O2, LEL

Issued to

**Ademco de Juarez S de RL de CV
Juarez, Chihuahua, Mexico**

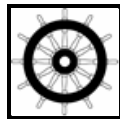
is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2018/773,****item No. MED/3.30. SOLAS 74, Regulation II-2/4, VI/3, XI-1/7, FSS Code 15 and
MSC.1/Circ.1477**

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

This Certificate is valid until **2020-02-28.**Issued at **Hamburg** on **2019-04-03**

DNV GL local station:

**Certification & Inspection
Services**for **DNV GL SE**Approval Engineer:
Didier GirardinNotified 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Product description

The Gas Alert Quattro is an intrinsically Safe, portable multi-gas detector for monitoring up to 4 gasses simultaneously and continuously: oxygen [deficiently/enrichment], combustibles, carbon monoxide and hydrogen sulfide. A 4.2V lithium polymer battery pack or 3-Cell "AA" Alkaline pack powers the detector.

Application/Limitation

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

Limitation and installation instruction according certificate KEMA 09ATEX0137 Issue Number:3 to be observed

Type Examination documentation

Hidden

Document	IEC/EN	Dated
BAM 11 ATEX 1102 X LEL	IEC 60079-29-1/2007, EN 50271/2001	2012.03.19
BAM_ZBF_005_15 O2	IEC 17065 (EN 50104/2010, EN 50271/2010	2016.01.26
BAM 11-1945.2010 1	IEC 60079-29-1/2007, 50104/2010, 50271/2001	2010.07.22
DEKRA ATEX Cert KEMA 09ATEX0137 Iss 7	IEC 60079-0/2012, A11/2013, 60079-1/2014, 60079-11/2012	2019.01.31
IECEX CSA 09.0006 Iss 8	IEC 60079-0/2011, 60079-1/2014, IEC60079-11/2011	2019-01-08
TR-DRCREL1810-0524	IEC 60092-504/2016	2018-10-12
TR-DRCREL1810-0136	IEC 60533/2015, 60092-504/2016	2018-10-12
TR-75918490 01 Issue 1	IEC 60945/2002	26 07 2012
TR-75918490 02 Issue 1	IEC 60945/2002	26 07 2012

Tests carried out

IEC 60945 (2002) incl. IEC 60945 Corr. 1 (2008)

IEC 60092-504:2016

IEC 60533:2015

EN 60079-0:2012+A11:2013

EN 60079-1:2014

EN 60079-10-1:2015*

EN 60079-11:2012

EN 60079-15:2010*

EN 60079-26:2015*

EN 60079-29-1:2007

EN 50104:2010

*not applicable

Marking of product

The products to be marked with:

- according Article 10 of the Council Directive (MED)
- manufacturer name
- model name
- serial number
- power supply ratings