



中国船级社
CHINA CLASSIFICATION SOCIETY

证书格式号/Form: T01.01-
HQ001572

型式认可证书
CERTIFICATE OF TYPE APPROVAL

证书编号/Certificate No. DB11T00097

兹证明本证书所述制造厂生产的下列产品能够满足下面列明认可标准的要求。

This is to certify that the following products produced by the manufacturer stated in the certificate can meet the requirements of the approval standards listed below.

认可产品/ Product Approved

可携式组合气体探测器
PORTABLE COMBINATION GAS DETECTOR
可燃气体报警装置
Combustible Gas Alarm Control Unit

制造厂/ Manufacturer

Riken Keiki Co., Ltd.

Riken Keiki Co., Ltd.

2-7-6, Azusawa, Itabashi-ku, Tokyo, Japan

认可标准/ Approval Standard

1. 中国船级社《钢质海船入级规范》(2009)及其修改通报 第6篇第3章第4节
Section 4 of Chapter 3 of Part 6 of CCS Rules for the Classification of Sea-going Steel Ships 2009 and its Amendments
2. CCS批准的图纸
Drawings Approved by CCS
3. IEC 60079-29-1(2007); EN 50104 (2002); EN 50057(1999); EN50054(1999)

证书有效期至/ This Certificate is valid until 2016年1月13日 / Jan. 13, 2016

发证机构 中国船级社大阪分社
Issued by CCS Osaka Branch

签发日期 2012年2月24日
Date Feb. 24, 2012

本证书根据中国船级社《钢质海船入级规范》及有关程序规定签发。关于证书的有关规定见本证书背面的说明。当本证书包括多页纸张时，则所有证书页为一个整体，必须同时使用。每一页证书均须由本社盖章方为有效。证书复印件无效。任何单位和个人均不应摘录或节选本证书的部分内容。本认可证书不代表本社对个体产品质量的检验。有关各方对所持证书的真实性有疑问时，可以向本社检验机构咨询。
This Certificate is issued pursuant to the Rules for Classification of Sea-going Steel Ships and related procedures of the Society. Refer to the back of the certificate for detailed requirements of the certificate. When the certificate consists of more than one page, all pages of the certificate are taken as a whole and are used simultaneously. No certificate page is valid without bearing the stamp of the Society and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. This approval certificate does not constitute the inspection of the Society about the quality of the unit/batch product. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.



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DB35588469
No. 11187043

产品明细/ Product Description

可燃气体报警装置/Combustible Gas Alarm Control Unit
产品型号/Type

: Refer to attachments

批准的图纸和设计计算书/ Approved Drawings and Design Calculations

图纸批准号/ Drawings Approval No. : DBA03510217

产品认可试验报告/ Approval Test Report

试验报告编号/Test Report No. : Witness Test Report
试验报告日期/Test Report Date : 2012-02-16
试验单位/ Laboratory : -
RIKEN KEIKI CO., LTD.
试验单位地址/ Test Address : -
2-7-6 Azusawa Itabashi-ku Tokyo 174-8744 Japan

产品适用范围/ Application of the Product

Marine and offshore application.

认可保持条件/ Maintenance Requirements of Approval

认可证书有效期内, 如果出现可能导致本社取消认可的情况, 工厂应及时采取有效的纠正措施。
Within the validity of the approval certificate, if cases occur that may cause the Society to withdraw the certificate, the manufacturer should take corrective actions in a prompt and effective manner.

型式认可后, 如果产品及其重要零部件的设计、所用材料或制造方法有所改变, 且影响到产品的主要特性、特征; 或产品的性能指标有所更改, 且超过认可的范围, 则有关图纸和文件应经本社审批, 并在本社认为必要时, 经本社检验人员见证有关试验和进行检查, 其结果应能证实仍符合认可条件。

After Type Approval, if there are changes to the design, materials used or manufacturing method of the product and important components and such changes affect major characteristics and properties of the product, or performance index of the product are changed and exceed the scope of approval, relevant drawings and documents are to be reviewed and approved by the Society. Where deemed necessary by the Society, the surveyor to the Society will witness relevant tests and conduct inspection and the results should be able to demonstrate compliance with the approval conditions.

认可后的产品检验方式/ Method of Product Inspection after Approval

产品认可后的单件/单批检验应由本社验船师按批准的产品检验计划进行, 经检验合格后由本社颁发产品证书。
After product approval, UNIT/BATCH INSPECTIONS should be carried out by the Surveyor of the Society in accordance with the approved product inspection scheme, and the Product Certificate will be issued by the Society upon satisfactory inspection.

对于原材料和零部件的检验要求/ Inspection Requirements for Materials and Components**责任声明/ Statement of Responsibility**

本社的认可不影响、替代与本社授权或检验无关的各方对上述工厂的认可和发证, 并且不对与本社授权或检验无关的各方负责, 不承担其未经应允而承认、接受本社认可所导致的法律和经济责任。

The approval of the Society does not affect and replace any approval and certification of the manufacturer by any parties that bear no relation with this Society's authorization or survey and therefore takes no responsibility for these parties. The Society does not undertake any legal and economic liabilities arising from accepting this Society's certificate without prior permission from this Society.

其他/Others

本证书由原证书换证, 原认可证书: DB07T00062。
This certificate was renewed based on the original cert. No. DB07T00062.

中国船级社大阪分社

CCS Osaka Branch



*****本证书正文完/ End of Text*****

注: 本证书含有附页, 共1页

Note: The certificate is attached with 1 additional page(s)

PORTABLE COMBINATION GAS DETECTOR – RX-415

Model	RX-415(HC version)		RX-415(CH ₄ version)	
Gas Detected	HC	O ₂	CH ₄	O ₂
Detection Principle	Non-Dispersive Infrared	Galvanic Cell	Non-Dispersive Infrared	Galvanic Cell
Range	0 – 100%LEL 0 – 100%VOL	0 – 25%VOL	0 – 100%LEL 0 – 100%VOL	0 – 25%VOL
Response Time	Within 30 seconds (T90)			
Sampling	Suction Pump (built in)			
Ambient Temp./Humidity	-10°C – +40°C/below 90% RH (Non-condensing)			
Explosion Proof	Ex ia d IIB T3 (Alkaline batteries “Size C” only)			
Power Source	DC 6V, 150mA (Alkaline batteries “Size C” 4pcs. or Ni-Cd batteries “Size C” 4pcs)			
Continuous Operation	Approx.40 hours (no alarm or light at 20°C)			





MARINE DIVISION

**BUREAU
VERITAS**

Notified Body N° 0062

Certificate number: SMS.MED.D/643/C.1

www.veristar.com

MED 96/98/EC QUALITY SYSTEM MODULE D CERTIFICATE

This certificate is issued under the French Maritime Authority, in compliance with the Council Directive 96/98/EC amended by Commission Directive 2009/26/EC as transposed in the French Regulations, to

RIKEN KEIKI CO., LTD.
Tokyo - JAPAN

Summary of the range of the recognition which is detailed in the subsequent page(s):

FIXED OXYGEN ANALYSIS AND GAS DETECTION EQUIPMENT
PORTABLE OXYGEN ANALYSIS AND GAS DETECTION EQUIPMENT

This certificate is issued to attest that BUREAU VERITAS, notified body number 0062, did undertake, at the above company's request, an assessment of the quality system for production quality assurance related to the equipment of the type described in EC type-examination (Module B) certificate(s) listed in the subsequent page(s). BUREAU VERITAS, notified body number 0062, has considered that the quality system operated was satisfying the applicable requirements of the Marine Equipment Directive 96/98/EC as amended.

This certificate will expire on: 01 Aug 2015

For BUREAU VERITAS,
At BV KOBE, on 25 Aug 2011,
Yasuo Hiramatsu



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarnb.com/veristarnb/jsp/viewPublicPdfRecognition.jsp?id=mjg88wqcs>m

BV Mod. Ad.E 618-D May 2009

This certificate consists of 3 page(s)

ANNEX**1. SCOPE****Products**

App. number	Date of issue	Validity date	Item designation	Trade name	Comment
12801/C0 EC	13 Nov 2009	13 Nov 2014	PORTABLE OXYGEN ANALYSIS AND GAS DETECTION EQUIPMENT - A.1/3.30	RX-415	
12802/C0 EC	13 Nov 2009	13 Nov 2014	PORTABLE OXYGEN ANALYSIS AND GAS DETECTION EQUIPMENT - A.1/3.30	GX-2001	
12803/C0 EC	09 Apr 2010	09 Apr 2015	FIXED OXYGEN ANALYSIS AND GAS DETECTION EQUIPMENT - A.1/3.54	Group II-Fixed gas detection equipment:Indicator/Alarm Unit+Gas detector heads type"GP-591+GD-A8	
12804/C0 EC	29 Mar 2010	29 Mar 2015	FIXED OXYGEN ANALYSIS AND GAS DETECTION EQUIPMENT - A.1/3.54	Group II-Fixed flammable gas detection & alarm equipment type "GP-641+GD-A8"	
12807/C0 EC	24 Mar 2011	24 Mar 2016	FIXED OXYGEN ANALYSIS AND GAS DETECTION EQUIPMENT - A.1/3.54	IR based Flammable Gas Detectors Models: SD-805RI & SD-805RID	
13552/B0 EC	09 Apr 2010	25 Jun 2015	FIXED OXYGEN ANALYSIS AND GAS DETECTION EQUIPMENT - A.1/3.54	Fixed oxygen detection & alarm equipment type "OX-591+GD-F44"	
15520/B0 EC	17 Aug 2011	11 Aug 2016	PORTABLE OXYGEN ANALYSIS AND GAS DETECTION EQUIPMENT - A.1/3.30	Portable Combination Gas Detectors RX-515, RX-516 and RX-517	
20988/B0 EC	13 Nov 2009	13 Nov 2014	PORTABLE OXYGEN ANALYSIS AND GAS DETECTION EQUIPMENT - A.1/3.30	GX-2009	
21723/A0 EC	17 May 2011	17 May 2016	PORTABLE OXYGEN ANALYSIS AND GAS DETECTION EQUIPMENT - A.1/3.30	Portable Oxygen Monitor Model: OX-07	
23502/A0 EC	18 Jan 2011	18 Jan 2016	PORTABLE OXYGEN ANALYSIS AND GAS DETECTION EQUIPMENT - A.1/3.30	Portable Multi Gas Monitor Model: GX-8000	

2. LIMITATIONS

The EC type-examination certificates listed in the scope are to be valid.

Bureau Veritas is to be informed immediately of any modification to the quality system in order to agree on appropriate actions.

RIKEN KEIKI CO., LTD. has to apply for the periodical audits as agreed with Bureau Veritas.

RIKEN KEIKI CO., LTD. must draw up a written EC declaration of conformity to type in compliance with the article 10 of the MED 96/98/EC.

RIKEN KEIKI CO., LTD. must affix the mark of conformity in compliance with the article 11 of the MED 96/98/EC taking into consideration the following example:



0062/xx

Where xx are the last two digits of the year in which the mark is affixed.

3. REMARKS

This certificate supersedes certificate SMS.MED.D/643/C.0 dated July 22 2011.

***** END OF CERTIFICATE *****