



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx PRE 15.0011	Issue No: 1	Certificate history:
Status:	Current	Page 1 of 4	Issue No. 1 (2015-06-16) Issue No. 0 (2015-04-21)
Date of Issue:	2015-06-16		
Applicant:	Riken Keiki Co., Ltd 2-7-6 Azusawa Itabashi Tokyo 174-8744 Japan		
Electrical Apparatus:	Portable Gas Monitor GX-6000		
Optional accessory:			
Type of Protection:	Intrinsic safe		
Marking:	Ex ia IIC T4 Ga -20°C ≤ Ta ≤ 50°C		

Approved for issue on behalf of the IECEx
Certification Body:

Asle Kaastad

Position:

Certification manager

Signature:
(for printed version)

Asle Kaastad

Date:

2015-06-16

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

DNV Nemo Presafe AS
Gaustadalleen 30
P.O.Box 73 Blindern
0314 Oslo
Norway





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Manufacturer: **Riken Keiki Co., Ltd**
2-7-6 Azusawa
Itabashi
Tokyo 174-8744
Japan

Additional Manufacturing
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

IEC 60079-26 : 2006 Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga
Edition:2

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[NO/PRE/ExTR15.0012/00](#)

[NO/PRE/ExTR15.0012/01](#)

Quality Assessment Report:

[GB/BAS/QAR07.0029/05](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

This certificate covers the portable gas monitor GX-6000 which is used for measuring flammable gas concentration in hazardous location. GX-6000 is an battery-operated handheld portable device and is built up by anti-electrostatic plastic enclosure with minor metal parts such as assembly screws. Two alternative battery units may be used, BUL-6000 (rechargeable Li-ion battery) and BUD-6000 (alkaline dry battery, use only Toshiba LR6 AA-batteries). Replacement or charging of battery unit can be performed by end-users and is only allowed in non-hazardous areas. Safety instructions and warnings must be followed. Following parts are also included in the investigation, charger module BC-6000 or SDM-6000, Combustible gas sensor NC-6264A, Toxic gas sensor and Oxygen sensor, Smart sensor type DES, ESS, PIS & OSS.

CONDITIONS OF CERTIFICATION: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

The changes concerned:

- Changed layout of DES sensor PCB in order to change the optical path length. The infrared sensor is then able to measure additional gas type.
- Minor changes of non-safety components on charger module SDM-6000.