



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.:	IECEX PRE 15.0011	Page 1 of 5	<u>Certificate history:</u>
Status:	Current	Issue No: 4	Issue 3 (2020-08-27)
Date of Issue:	2021-04-30		Issue 2 (2019-10-30)
Applicant:	RIKEN KEIKI Co., Ltd. 2-7-6, Azusawa, Itabashi-ku, Tokyo, 174-8744, Japan		Issue 1 (2015-06-16)
Equipment:	Portable Gas Monitor GX-6000		Issue 0 (2015-04-21)
Optional accessory:			
Type of Protection:	Intrinsic safe		
Marking:	Ex ia IIB T4/T3 Ga -20°C ≤ Ta ≤ +50°C Ex ia IIC T4/T3 Ga -20°C ≤ Ta ≤ +50°C See <i>equipment</i> below for details.		

Approved for issue on behalf of the IECEx
Certification Body:

Asle Kaastad

Position:

Certification Manager

Signature:
(for printed version)

Date:

2021-04-30

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 www.iecex.com or use of this QR Code.



Certificate issued by:

DNV Product Assurance AS
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Norway





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Manufacturer: **RIKEN KEIKI Co., Ltd.**
2-7-6, Azusawa,
Itabashi-ku,
Tokyo, 174-8744,
Japan

Additional manufacturing locations: **RIKEN KEIKI Co., Ltd.**
2-3, Minamisakae-cho,
Kasukabe-shi,
Saitama, 344-0057,
Japan

RIKEN KEIKI NARA MFG. Co., Ltd.
49-1, Abe, Sakurai-shi,
Nara, 633-0054,
Japan

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

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

This Certificate **does not** indicate compliance with 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 Reports:

[NO/PRE/ExTR15.0012/00](#)
[NO/PRE/ExTR15.0012/03](#)

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

[NO/PRE/ExTR15.0012/02](#)

Quality Assessment Reports:

[NO/PRE/QAR19.0018/00](#)

[NO/PRE/QAR19.0018/01](#)



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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). 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.

When the combustible gas sensor is used the gas group is limited to IIB.

Battery operated. BUL-6000 (rechargeable Li-ion battery unit) or BUD-6000 (Alkaline battery unit)

For BUD-6000: use only Toshiba LR6 or Duracell MN1500 AA-batteries (different battery types shall not be mixed).

SPECIFIC CONDITIONS OF USE: NO



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Equipment (continued):

Ex code	Ambient temperature	Combustible gas sensor	Battery
Ex ia IIB T4 Ga	-20°C to +50°C	Mounted	BUL-6000
Ex ia IIC T4 Ga	-20°C to +50°C	Not mounted	BUL-6000
Ex ia IIB T4 Ga	-20°C to +50°C	Mounted	BUD-6000 LR6 (Toshiba)
Ex ia IIC T4 Ga	-20°C to +50°C	Not mounted	BUD-6000 LR6 (Toshiba)
Ex ia IIB T3 Ga	-20°C to +50°C	Mounted	BUD-6000 MN1500 (Duracell)
Ex ia IIC T3 Ga	-20°C to +50°C	Not mounted	BUD-6000 MN1500 (Duracell)



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 4: Updated to the latest edition IEC EN 60079-0, include an additional battery cell for use with BUD-6000 and update gas group to IIB when the combustible gas sensor (NC-6264A) is used.