



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 DEK 24.0014** Page 1 of 4 [Certificate history:](#)
Issue 0 (2024-06-19)

Status: **Current** Issue No: 1

Date of Issue: 2024-12-04

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

Equipment: **Portable Gas Monitors GX-6000 and GX-6100**

Optional accessory:

Type of Protection: **Ex d, Ex i**

Marking: Ex ia IIB T4...T3 Ga
Ex ia IIC T4...T3 Ga
Ex da ia IIC T4...T3 Ga

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2024-12-04

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:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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

Manufacturing locations: **RIKEN KEIKI NARA MFG. Co., Ltd.** **RIKEN KEIKI Co., Ltd.**
49-1, Abe, Sakurai-shi, 2-3, Minamisakae-cho,
Nara, 633-0054, Kasukabe-shi,
Japan Saitama, 344-0057,
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 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
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 Report:

[NL/DEK/ExTR24.0017/01](#)

Quality Assessment Reports:

[NL/DEK/QAR23.0010/01](#)

[NL/DEK/QAR23.0011/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The portable battery-operated handheld gas monitors GX-6000 and GX-6100 are used for measuring flammable gas concentration in hazardous location.

Different battery units may be used, BUL-6000/6100 (rechargeable Li-ion battery) and BUD-6000/6100 (alkaline dry battery). Replacement or charging of battery unit can be performed by end-users and is only allowed in non-hazardous areas.

Following parts are also included in the investigation, charger module BC-6000 or SDM-6000, Combustible gas sensor, Toxic gas sensor and Oxygen sensor, Smart sensor type DES, ESS, PIS, SHS & OSS.

Ambient temperature range for use: -20 °C to +50 °C

Ambient temperature range during charging: 0 °C to +40 °C (Non-hazardous area only)

For more information about Electrical data, Thermal data, Type designation and Ex code see Annex 1.

The examination of the portable gas monitor does not include a judgment of the functional performance of the equipment.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. Change of gas group from IIB to IIC for type GX-6100
2. Minor constructional changes in the BUL-6100.

Annex:

[229252300-Annex 1 to ExTR24.0017.01.pdf](#)