



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 11.0019** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 2 [Issue 1 \(2014-12-09\)](#)
Date of Issue: 2020-07-07 [Issue 0 \(2011-03-21\)](#)
Applicant: **RIKEN KEIKI Co., Ltd.**
2-7-6, Azusawa,
Itabashi-ku,
Tokyo, 174-8744,
Japan
Equipment: **Portable Toxic Gas Monitor Model SC-8000**
Optional accessory:
Type of Protection: **Ex ia**
Marking: **Ex ia IIC T4 Ga**

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:

2020-07-07

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

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 Report:

[NL/DEK/ExTR11.0015/02](#)

Quality Assessment Report:

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Description

The Portable Toxic Gas Monitor Model SC-8000 is a gas monitor designed to provide continuous exposure monitoring of toxic gas in hazardous environments. The gas sample is sucked in by a built-in micro pump.

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

Ambient temperature range during charging 0 °C to +40 °C.

Additional information

The performance of the Portable Toxic Gas Monitor Model SC-8000 as a safety device is not covered by this certificate.

Electrical data

Supply: Battery unit type BUD-8000 with three series connected Alkaline Manganese AA batteries, type LR6 manufactured by Toshiba, or rechargeable battery unit type BUL-8000. Backup battery type CR1220 manufactured by Maxwell.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- addition of the manufacturing location
- evaluation per IEC 60079-0: 2017 (ed.7.0)
- IEC 60079-26 removed from the list