



# 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](http://www.iecex.com)

Certificate No.:	<b>IECEX DEK 11.0019</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 3	Issue 2 (2020-07-07)
Date of Issue:	2024-04-26		Issue 1 (2014-12-09)
Applicant:	<b>RIKEN KEIKI Co., Ltd.</b> 2-7-6, Azusawa, Itabashi-ku, Tokyo, 174-8744, <b>Japan</b>		Issue 0 (2011-03-21)
Equipment:	<b>Portable Toxic Gas Monitor Model SC-8000</b>		
Optional accessory:			
Type of Protection:	<b>Ex ia</b>		
Marking:	Ex ia IIC T4 Ga		

Approved for issue on behalf of the IECEx  
Certification Body:

**L.G. van Schie**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

2024-04-26

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](http://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 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/ExTR11.0015/03](#)

Quality Assessment Reports:

[NL/DEK/QAR23.0010/00](#)

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



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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)**

1. Minor change on the label drawing.
2. Linked to new QARs.
3. Manufacturing location Ebina Denki is no longer listed.