



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 19.0059** Page 1 of 4 [Certificate history:](#)
Issue 0 (2019-10-17)

Status: **Current** Issue No: 1

Date of Issue: 2020-06-25

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

Equipment: **Portable Gas Monitor 04 series models OX-04, OX-04G, HS-04, CO-04, CX-04 and SC-04**

Optional accessory:

Type of Protection: **Ex i**

Marking: **Ex ia IIC T4/T3 Ga**

Approved for issue on behalf of the IECEx
Certification Body:

Certification manager

Position:

R. Schuller

Signature:
(for printed version)

Date:

2020-06-25

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/ExTR19.0069/01](#)

Quality Assessment Report:

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Portable Gas Monitor 04 series models OX-04, OX-04G, HS-04, CO-04, CX-04 and SC-04 are designed to provide continuous exposure monitoring of toxic gases and/or oxygen by diffusion sampling method.

Portable Gas Monitor is available either as a single gas monitor for measuring carbon monoxide (CO) (model CO-04), hydrogen sulfide (H₂S) (model HS-04), oxygen (O₂) (models OX-04 and OX-04G), sulphur dioxide (SO₂) (model SC-04) or as dual gas monitor for measuring simultaneously (CO/O₂) (model CX-04).

Sensor types used are either electrochemical or galvanic type.

The measurement results are displayed on the LCD while gas alarms can be issued via LED and buzzer. Measurement results can be wirelessly transmitted to a host using IrDA.

The examination of the Portable Gas Monitor does not include a judgement of the functional performance of the apparatus.

Ambient temperature: -40 °C to +60 °C

Marking variations

Ex ia IIC T4 Ga (when equipped with primary batteries)

Ex ia IIC T3 Ga (when equipped with secondary batteries)

Both options are detailed in the instruction manual.

Electrical data

Supply:

User-replaceable primary alkaline battery pack (3.3 V)

or

secondary Ni-MH battery pack (3.1 V, 800 mAh).

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
- addition of the manufacturing location