



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 13.0092** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 3 [Issue 2 \(2020-06-25\)](#)
Date of Issue: 2021-06-16 [Issue 1 \(2014-11-21\)](#)
Applicant: **RIKEN KEIKI Co., Ltd.** [Issue 0 \(2014-09-16\)](#)
2-7-6, Azusawa,
Itabashi-ku,
Tokyo, 174-8744,
Japan
Equipment: **Personal Gas Monitor Model 03 series (GP-03,OX-03,CO-03,HS-03)**
Optional accessory:
Type of Protection: **Ex ia**
Marking: **Ex ia IIC/IIB T4/T3 Ga**
Ex ia I Ma

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:

2021-06-16

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

RIKEN KEIKI Co., Ltd.
2-3, Minamisakae-cho,
Kasukabe-shi,
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 60079-11:2011 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/ExTR13.0097/03](#)

Quality Assessment Report:

[NO/PRE/QAR19.0018/03](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Personal Gas Monitor Model 03 series (GP-03, OX-03, CO-03, HS-03) are a gas monitor designed to provide continuous exposure monitoring of combustible gas (GP-03), Oxygen (OX-03) or toxic gas (CO-03 and HS-03) in hazardous location.

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

The relation between sensor type used and gas group is per following table:

Sensor type	Gas group
OX-03 (oxygen) CO-03 (toxic gas) HS-03 (toxic gas)	IIC
GP-03 (NC-6264A combustible gas thermocatalytic sensor)	IIB

The relation between battery type used and temperature class is per following table:

Battery type	Temperature class
AAA size primary Alkaline cell: model LR03 by Toshiba or model MN2400/PC2400 by Duracell	T4
AAA size secondary NiMh cell: model Eneloop by Panasonic	T3

Additional information

The performance of the Personal Gas Monitor Model 03 series, as a safety device, is not covered by this certificate.

Electrical data

Supply: two series connected cells only of types as indicated above.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
evaluation per IEC 60079-0: 2017 (ed.7.0)
amended marking to state IIB when thermocatalytic sensors used