



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 13.0090	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 5	Issue 4 (2024-04-24)
Date of Issue:	2024-10-04		Issue 3 (2021-06-16)
Applicant:	RIKEN KEIKI Co., Ltd. 2-7-6, Azusawa, Itabashi-ku, Tokyo, 174-8744, Japan		Issue 2 (2020-06-25)
Equipment:	Combustible Gas Monitor Model GP-1000, NP-1000 and NC-1000		Issue 1 (2015-06-26)
Optional accessory:			Issue 0 (2014-06-05)
Type of Protection:	Ex ia		
Marking:	Ex ia IIC/IIB T4 Ga		

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2024-10-04

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 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/ExTR13.0095/05](#)

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 Combustible Gas Monitor Model GP-1000 (for 0-100%LEL), NP-1000 (for 0-100VOL%) and NC-1000 (for 0-10000ppm) is a gas monitor designed to provide continuous exposure monitoring of combustible gas in hazardous environments.

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

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

Model / Sensor type	Gas group
Model NP-1000 (combustible gas TE-7515 thermal conductivity sensor)	IIC
Model GP-1000 (combustible gas NC-6215 thermocatalytic sensor) Model NC-1000 (combustible gas NC-6307 thermocatalytic sensor)	IIB

Additional information

The performance of the Combustible Gas Monitor Model GP-1000, NP-1000 or NC-1000, as a safety device, is not covered by this certificate.

Electrical data

Supply: four series connected Alkaline Manganese AA batteries, type LR6 manufactured by Toshiba.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Minor constructional changes