



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

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](http://www.iecex.com) or use of this QR Code.



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**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/ExTR13.0095/03](#)

Quality Assessment Report:

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



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The 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)**  
evaluation per IEC 60079-0: 2017 (ed.7.0)  
amended marking to state IIB when thermocatalytic sensors used