



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 PRE 15.0060** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 2 [Issue 1 \(2019-10-30\)](#)
[Issue 0 \(2015-10-26\)](#)
Date of Issue: 2020-08-31
Applicant: **RIKEN KEIKI Co., Ltd.**
2-7-6, Azusawa,
Itabashi-ku,
Tokyo, 174-8744,
Japan
Equipment: **Portable Gas Monitor SP-220**
Optional accessory:
Type of Protection: **Intrinsic safe**
Marking: **Ex ia IIC T4 Ga -20°C ≤ Ta ≤ +55°C**

Approved for issue on behalf of the IECEx
Certification Body:

Asle Kaastad

Position:

Certification Manager

Signature:
(for printed version)

Date:

2020-08-31

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:

DNV GL Presafe AS
Veritasveien 3
1363 Høvik
Norway





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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 Reports:

[NO/PRE/ExTR15.0052/00](#)

[NO/PRE/ExTR15.0052/01](#)

Quality Assessment Reports:

[NO/PRE/QAR19.0018/00](#)

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The certificate covers the portable gas monitor SP-220 which is intended to measure gas and to provide continuous monitoring of combustible gas. SP-220 is battery operated and is built-up by plastic enclosure with minor metal parts. The plastic material is anti-electrostatic. The display is located in front. Battery compartment is at the bottom and is separated from internal electronics by plastic walls. Batteries are only allowed to be replaced in non-hazardous areas. Warnings:

- Do not replace dry batteries in hazardous location.
- Do not attempt to disassemble or alter the instrument.
- Use only Toshiba Alkaline LR6T(JE) batteries.

Internal parts are main PCB (electronics), a small air pump, LCD module and the gas sensor.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Update to latest IEC 60079-0 standard, add additional manufacturing location.