



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 14.0061** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 3 [Issue 2 \(2019-10-30\)](#)
Date of Issue: 2020-08-27 [Issue 1 \(2015-04-29\)](#)
[Issue 0 \(2015-03-02\)](#)
Applicant: **RIKEN KEIKI Co., Ltd.**
2-7-6, Azusawa,
Itabashi-ku,
Tokyo, 174-8744,
Japan
Equipment: **Portable Gas Monitor (Interferometer) FI-8000**
Optional accessory:
Type of Protection: **Intrinsic safe**
Marking: **Ex ia IIC T4 Ga -20°C ≤ Ta ≤ 50°C**

Approved for issue on behalf of the IECEx
Certification Body:

Asle Kaastad

Position:

Certification Manager

Signature:
(for printed version)

Date:

2020-08-27

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/ExTR14.0062/00](#)

[NO/PRE/ExTR14.0062/01](#)

[NO/PRE/ExTR14.0062/02](#)

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:

This certificate covers the portable gas monitor (optical interferometer) model FI-8000 which is used for measuring gas concentration of flammable gases in hazardous location. FI-8000 is a battery-operated handheld portable device and is built up by anti-electrostatic plastic enclosure with minor metal parts such as assembly screws. The display is located in front of equipment. At the bottom/rear side is the battery unit. Two alternative battery units may be used. BUD-8000 is the alkaline dry battery unit and BUL-8000 is the Li-ion battery unit. Replacement or charging of battery unit can be performed by end-users and is only allowed in non-hazardous areas. Safety instructions/warnings must be followed. For BUD-8000 unit, use only LR6 Toshiba AA batteries.

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.