



# 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.: **IECEX PRE 17.0070** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 5 [Issue 4 \(2020-02-12\)](#)  
Date of Issue: 2020-06-12 [Issue 3 \(2019-10-30\)](#)  
[Issue 2 \(2018-10-30\)](#)  
[Issue 1 \(2018-03-20\)](#)  
[Issue 0 \(2017-12-14\)](#)  
Applicant: **RIKEN KEIKI Co., Ltd.**  
2-7-6, Azusawa,  
Itabashi-ku,  
Tokyo, 174-8744,  
**Japan**  
Equipment: **Pump Unit (RP-3R series): RP-3R, RP-3R (Pro), PR-3R (S), RP-3R (Pro/S) and RP-3R (G)**  
Optional accessory:  
Type of Protection: **Intrinsic safe**  
Marking: Ex ia IIC T4 Ga -20°C ≤ Ta ≤ +50°C (for use with battery Toshiba LR6)  
Ex ia IIC T4 Ga -20°C ≤ Ta ≤ +40°C (for use with battery Duracell MN1500)  
Ex ia IIC T3 Ga -20°C ≤ Ta ≤ +50°C (for use with battery Duracell MN1500)

Approved for issue on behalf of the IECEx  
Certification Body:

**Asle Kaastad**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:

2020-06-12

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.



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/ExTR17.0059/00](#)  
[NO/PRE/ExTR17.0059/03](#)

[NO/PRE/ExTR17.0059/01](#)  
[NO/PRE/ExTR17.0059/04](#)

[NO/PRE/ExTR17.0059/02](#)

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:

The series consist of models RP-3R & RP-3R (Pro) & RP-3R (G) and RP-3R (S) & RP-3R (Pro/S), they are optional accessories to manufacturer's Ex certified gas monitors. The sample gas is sucked by the build-in micro pump in these pump units. The model RP-3R (G) is a general gas suction pump. The other four models can be connected to the specific gas monitor type GX-3R or GX-3R Pro, and turn them from a diffusion type of gas monitor to the suction type. The pump unit models have different outer structure but internal electronics are identical.

The pump is a small hand-held device using a plastic housing with only smaller metallic part on the enclosure. Enclosure material is anti-electrostatic. The pump is supplied by one AA Alkaline battery (cell) which replacement is only allowed in safe area. The battery compartment is separated from electronics. Internal parts are one small PCB and the micro pump.

Power supplied by one AA Alkaline battery. Use only type Duracell MN1500 or type Toshiba LR6 (the LR6 battery may be marked as LR6T(JE))

**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.

Minor changes to enclosures of RP-3R (S) and RP-3R (Pro/S).

New additional manufacturing location.