



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 24.0019X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2024-07-04
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), RP-3R (S), RP-3R (Pro/S) and RP-3R (G)**
Optional accessory:
Type of Protection: **Intrinsic safety "ia"**
Marking: **Ex ia IIC T4...T3 Ga**

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2024-07-04

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/ExTR24.0028/00](#)

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 series consist of models RP-3R, RP-3R (Pro), RP-3R (S), RP-3R (Pro/S) and RP-3R (G), 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. The enclosure material is antistatic. 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.

Ambient temperature range:

T4: $-20\text{ }^{\circ}\text{C} \leq T_a \leq +40\text{ }^{\circ}\text{C}$ or $-20\text{ }^{\circ}\text{C} \leq T_a \leq +50\text{ }^{\circ}\text{C}$, refer to manufacturer's instructions for details.
T3: $-20\text{ }^{\circ}\text{C} \leq T_a \leq +50\text{ }^{\circ}\text{C}$

Electrical Data

Supply: one primary battery, refer to manufacturer's instructions for permitted type(s).

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The relation of the ambient temperature range and the temperature class is given in the manufacturer's instructions.
- The manufacturer's instructions provide guidance for the user to minimize the risk from electrostatic discharge.