

# CERTIFICATE

## (1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **DEKRA 13ATEX0229** Issue Number: **5**

(4) Product: **Personal Gas Monitor 03 series model GP-03, OX-03, CO-03 and HS-03**

(5) Manufacturer: **RIKEN KEIKI Co., Ltd.**

(6) Address: **2-7-6, Azusawa, Itabashi-ku, Tokyo, 174-8744, Japan**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number NL/DEK//ExTR13.0097/04.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0 : 2018**

**EN 60079-11 : 2012**

**EN 50303 : 2000**

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



**II 1 G Ex ia IIC/IIB T4 ... T3 Ga**  
**I M1 Ex ia I Ma**

Date of certification: 26 April 2024

DEKRA Certification B.V.

L.G. van Schie  
Certification Manager



Throughout this document, a point is used as the decimal separator.

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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 13ATEX0229** Issue No. 5

(15) **Description**

The Personal Gas Monitor 03 series is a gas monitor designed to provide continuous exposure monitoring of combustible gas (model GP-03), Oxygen (model OX-03) or toxic gas (model CO-03 or HS-03) in hazardous location.

Ambient temperature range -20 °C to +50 °C.

The relation between sensor type used and gas group is per following table:

| Sensor type  | Gas group |
|--|-----------|
| OX-03 (oxygen)<br>CO-03 (toxic gas)<br>HS-03 (toxic gas) | IIC       |
| GP-03 (NC-6264A combustible gas thermocatalytic sensor)  | IIB       |

The relation between battery type used and temperature class is per following table:

| Battery type  | Temperature class |
|---|-------------------|
| AAA size primary Alkaline cell:<br>model LR03 by Toshiba<br>or<br>model MN2400/PC2400 by Duracell | T4                |
| AAA size secondary NiMh cell:<br>model Eneloop by Panasonic                                       | T3                |

**Additional information**

The performance of the Personal Gas Monitor 03 series, 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.

**Installation instructions**

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

NL/DEK/ExTR13.0097/04.

(17) **Specific conditions of use**

None.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR13.0097/04.