

# 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: **4**

(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/ExTR13.0097/02.

(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: 16 June 2021  
DEKRA Certification B.V.

R. Schuller  
Certification Manager



(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 13ATEX0229**

Issue No. 4

(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) CO-03 (toxic gas) 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: model LR03 by Toshiba or model MN2400/PC2400 by Duracell	T4
AAA size secondary NiMh cell: 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: two series connected cells only of types as indicated above.

**Installation instructions**

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

(16) **Report Number**

No. NL/DEK/ExTR13.0097/03.

(17) **Specific conditions of use**

None.

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

Covered by the standards listed at item (9).

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 13ATEX0229**

Issue No. **4**

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR13.0097/03.

(20) **Certificate history**

Issue 1 - 216598200	initial certificate
Issue 2 - 216598200	addition of alkaline cell, model MN2400/PC2400 by Duracell
Issue 3 - 224649000	EN 60079-26 removed, no longer required for Ex ia
Issue 4 - 225576900	evaluation per EN IEC 60079-0: 2018 amended marking to state IIB when thermocatalytic sensors used