

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 19ATEX0097** Issue Number: **2**

(4) Product: **Portable Gas Monitor 04 series models OX-04, OX-04G, HS-04, CO-04, CX-04 and SC-04**

(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/ExTR19.0069/02.

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

EN IEC 60079-0 : 2018

EN 60079-11 : 2012

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 T4...T3 Ga (See Description)

Date of certification: 24 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 19ATEX0097** Issue No. 2

(15) **Description**

The Portable Gas Monitor 04 series models OX-04, OX-04G, HS-04, CO-04, CX-04 and SC-04 are designed to provide continuous exposure monitoring of toxic gases and/or oxygen by diffusion sampling method.

Portable Gas Monitor is available either as a single gas monitor for measuring carbon monoxide (CO) (model CO-04), hydrogen sulphide (H₂S) (model HS-04), oxygen (O₂) (models OX-04 and OX-04G), sulphur dioxide (SO₂) (model SC-04) or as dual gas monitor for measuring simultaneously (CO/O₂) (model CX-04).

Sensor types used are either electrochemical or galvanic type.

The measurement results are displayed on the LCD while gas alarms can be issued via LED and buzzer. Measurement results can be wirelessly transmitted to a host using IrDA.

The examination of the Portable Gas Monitor does not include a judgment of the functional performance of the apparatus.

Ambient temperature: -40 °C to +60 °C

Marking variations

Ex ia IIC T4 Ga (when equipped with primary batteries)
Ex ia IIC T3 Ga (when equipped with secondary batteries)
Both options are detailed in the instruction manual.

Electrical data

User-replaceable primary alkaline battery pack (3.3 V)
or
User-replaceable secondary Ni-MH battery pack (3.1 V, 800 mAh).

Installation instructions

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

(16) **Report Number**

NL/DEK/ExTR19.0069/02.

(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/ExTR19.0069/02.