

# 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 16ATEX0007 X** Issue Number: **2**

(4) Product: **Gas detector Model SDWL-1EC, SDWL-1DEC, SDWL-1OX, SDWL-1DOX, SDWL-1RI, SDWL-1DRI and Repeater Model RTWL-1**

(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/ExTR16.0008/02.

(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 Ga**

Date of certification: 12 May 2020

DEKRA Certification B.V.

R. Schuller  
Certification Manager



(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 16ATEX0007 X**

Issue No. 2

(15) **Description**

The Gas detector Models SDWL-1EC, SDWL-1DEC, SDWL-1OX, SDWL-1DOX, SDWL-1RI and SDWL-1DRI are fixed-type gas monitors with wireless communication function designed to provide continuous exposure monitoring of toxic gas, oxygen (O<sub>2</sub>) and flammable gas by diffusion sampling method. The reading of gas detected or the status information of the equipment is indicated on the front LCD display, or sent to the high-order system by wireless communication. The Repeater Model RTWL-1 is a fixed-type repeater with wireless communication function and no function of gas measurement. An optional antenna cable is available for the Gas detector or the Repeater.

Ambient temperature: -20 °C to +60 °C

**Additional information**

The performance of the Gas detector Models SDWL-1EC, SDWL-1DEC, SDWL-1OX, SDWL-1DOX, SDWL-1RI and SDWL-1DRI, as safety devices, are not covered by this certificate.

**Electrical data**

Supply: Replaceable battery pack type RK9915, which includes two series-connected lithium-thionyl chloride batteries, model TL-5930 manufactured by TADIRAN.

**Installation instructions**

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

(16) **Report Number**

No. NL/DEK/ExTR16.0008/02.

(17) **Specific conditions of use**

Because a part of the antenna is made of plastic, if it is mounted in an area where the use of EPL Ga equipment and group IIC is required, precautions have to be taken to avoid electrostatic charge.

Because the enclosure is made of aluminium, if it is mounted in an area where the use of EPL Ga equipment is required, it must be installed such, that, even in the event of rare incidents, ignition sources due to impact and friction sparks are excluded.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR16.0008/02.



(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 16ATEX0007 X**

Issue No. **2**

(20) **Certificate history**

Issue 0 - 218850600	initial certificate
Issue 1 - 221761200	addition of new models addition of new sensor-body
Issue 2 - 224649000	evaluation per EN IEC 60079-0: 2018