

# CERTIFICATE

## (1) EC-Type Examination

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) EC-Type Examination Certificate Number: **KEMA 10ATEX0085** Issue Number: **3**

(4) Equipment: **Portable Gas Monitor Model GX-8000**

(5) Manufacturer: **Riken Keiki Co.,Ltd**

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

(7) This equipment 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 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems 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/KEM/ExTR10.0035/\*\*\*.

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

**EN 60079-0 : 2012**  
**EN 60079-26 : 2007**

**EN 60079-11 : 2012**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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



**II 1G Ex ia IIC T4 Ga**

This certificate is issued on 20 December 2013 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.

  
R. Schijler  
Certification Manager

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Integral publication of this certificate and adjoining reports is allowed. This Certificate may only be reproduced in its entirety and without any change.

(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate DEKRA KEMA 10ATEX0085** Issue No. 3

(15) **Description**

The Portable Gas Monitor Model GX-8000 is a gas monitor designed to provide continuous monitoring of exposure to combustible gas, oxygen (O<sub>2</sub>), carbon monoxide (CO) and hydrogen sulphide (H<sub>2</sub>S) in hazardous areas.

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

Ambient temperature range during charging 0 °C to +40 °C.

**Additional information**

The performance of the Portable Gas Monitor Model GX-8000, as a safety device, is not covered by this certificate.

**Electrical data**

Supply: Battery unit type BUD-8000 with three series connected Alkaline Manganese AA batteries, type LR6 manufactured by Toshiba, or rechargeable battery unit type BUL-8000. Backup battery type CR1220 manufactured by Maxwell.

**Installation instructions**

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

(16) **Test Report**

KEMA No. NL/KEM/ExTR10.0035/\*\*.

(17) **Special conditions for safe use**

None.

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. NL/KEM/ExTR10.0035/\*\*.