

EC-Type Examination Certificate

- [2] EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 94/9/EC
- [3] EC-Type Examination Certificate Number: Presafe 14 ATEX 5711 Issue 1
- [4] Equipment or Protective System: Portable Gas Monitor (Interferometer)
- [5] Applicant – Manufacturer or Authorized representative: Riken Keiki Co., Ltd
- [6] Address: 2-7-6 Azusawa, Itabashi, Tokyo 174-8744, Japan
- [7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV Nemko Presafe AS, notified body number 2460 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system 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 reports listed in section 14.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: EN 60079-0: 2012 & EN 60079-11: 2012 & EN60079-26: 2007
- [10] If the sign “X” is placed after the certificate number, it indicates that the equipment or protective system 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 and construction of the specified equipment or protected system. If applicable, further requirements of this Directive apply to the manufacturer and supply of this equipment or protective system.
- [12] The marking of the equipment or protective system shall include the following:

 II 1 G Ex ia IIC T4 Ga -20°C ≤ Ta ≤ +50°C

Asle Kaastad
For DNV Nemko Presafe AS
Information on electronic signature www.presafe.com



Date of issue: 2015-04-29

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[13]

Schedule

[14] EC-TYPE EXAMINATION CERTIFICATE No.: Presafe 14 ATEX 5711 Issue 1

Certificate History

Issue	Description	Report no.	Issue date
0	Original issue	D0001493-00	2015-03-02
1	Update. Alternative material for hand aspirator.	D0001493-01	2015-04-29

[15] Description of Equipment or Protective System

This certificate covers the portable gas monitor (optical interferometer) model FI-8000 which is used for measuring gas concentration calorific of flammable gases in hazardous location. FI-8000 is an battery-operated handheld portable device and is built up by anti-electrostatic plastic enclosure with minor metal parts such as assembly screws. The display is located in front of equipment. At the bottom/rear side is the battery unit. Two alternative battery units may be used. BUD-8000 is the alkaline dry battery unit and BUL-8000 is the Li-ion battery unit. Replacement or charging of battery unit can be performed by end-users and is only allowed in non-hazardous areas. Safety instructions/warnings must be followed.

Type Identification

FI-8000

Electrical Data

Battery operated. BUL-8000 (rechargeable Li-ion battery unit) or BUD-8000 (Alkaline battery unit)
For BUD-8000: use only Toshiba LR6 AA-batteries.

Degrees of protection (IP Code)

(Compliance with requirement of IP20 is checked)

[16] Project No.: D0001493

Descriptive Documents

Title	Drawing No.	Rev.	Date
INDEX FI-8000	E3-6991-5467-90-01K	1	2015-04-14

[17] Special Conditions for Safe Use

[18] Essential Health and Safety Requirements

See part 9 of this certificate

END OF CERTIFICATE