

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 08ATEX0005** Issue Number: **4**

(4) Equipment: **LaserMethane mini Type SA3C31A and Type SA3C32A and its belonging Battery Pack type SA0Z40A**

(5) Manufacturer: **ANRITSU CORPORATION**

(6) Address: **5-1-1 Onna, Atsugi-shi, Kanagawa, 243-8555 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 210888900, issue 4.

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

EN 60079-0 : 2012 + A11

EN 60079-11 : 2012

EN 60079-28 : 2007

(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 2 G Ex ib op pr/op is IIA T1 Gb (Type SA3C31A + SA3C32A)

II 2 G Ex ib IIA T1 Gb (Type SA0Z40A)

I M2 Ex ib op pr/op is I Mb (Type SA3C31A + SA3C32A)

I M2 Ex ib I Mb (Type SA0Z40A)

This certificate is issued on 29 January 2016 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. Schuller
Certification Manager

Page 1/2



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(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 08ATEX0005**

Issue No. 4

(15) **Description**

The LaserMethane mini Type SA3C31A or Type SA3C32A serves for detection of methane. It contains a Battery Pack Type SA0Z40A which can be replaced within the hazardous area.

Ambient temperature range from -17 °C to +50 °C.

Electrical data

The LaserMethane mini is in type of protection intrinsic safety Ex ib IIA or Ex ib I. It contains a laser in type of protection protected optical radiation Ex op pr and the optical radiation, when exiting the protective enclosure is inherently safe Ex op is.

The Battery Pack has to be charged outside the hazardous area using charger type SA0Z42A.

Performance

The examination of the gas detector does not include a judgment of the functional performance of the apparatus.

Installation instructions

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

(16) **Test Report**

No. 210888900, issue 4.

(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. 210888900, issue 4.