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 15 ATEX 6408 X   Issue 0

[4]   **Equipment or Protective System:**   Laser Gas detector

[5]   **Applicant – Manufacturer or Authorized representative:**   NEO Monitors AS

[6]   **Address:**   Prost Stabels vei 22
2019 Skedsmokorset
Norway

[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 60079-1:2007, EN 60079-28:2008, EN 60079-31:2009

[10]   If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to specific 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:

⟨Ex⟩   **II 2 G**   see Ex code, page 2
        II 2 D

Date of issue: 2015-08-21

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

NORSK
AKKREDITERING
PROD 021

DNV Nemko Presafe AS, Gaustadalléen 30, 0373 Oslo, Norway

EC-Type Examination Certificate

[13]   **Schedule**

[14]   **EC-TYPE EXAMINATION CERTIFICATE No.:**   Presafe 15 ATEX6408 X   Issue 0

Certificate History

Issue	Description	Report no.	Issue date
0	Original issue	D0001710	2015-08-21

[15]   **Description of Equipment or Protective System**

This certificate covers an Open Path detector for gas concentration monitoring on potentially hazardous gases. The gas detector LaserGas III OP comprises two Ex-d enclosures with one transmitter unit and one receiver unit.

Enclosure is fitted with glass lens in the lid, and permanently connected cable must be terminated in a suitable ATEX certified enclosure. Mounting according to manufacturer's instructions must be followed to ensure protection of lens.

The fasteners used on the Ex-d enclosure must be the type specified by the manufacturer: M5x10 DIN912 A4-80.

Type Identification	Ex code	Ambient Temperature
LaserGas III OP	Ex d [op is] IIC T4 Gb Ex tb IIIC T88°C Db	-40°C ≤ Ta ≤ +65°C

Electrical Data
U=18 to 32 V DC, P ≤ 2 x 10W

Degrees of protection (IP Code)
IP 66/67

Routine tests:
- The cover of the Ex-d enclosures for the receiver unit shall be subjected to a routine pressure test of at least 18,75 bar.

DNV Nemko Presafe AS, Gaustadalléen 30, 0373 Oslo, Norway

16]   **Project No.:** D0001710

Descriptive Documents

Number	Title	Rev.	Date
836-816642	GAS DETECTOR, Certification Drawing, Gas Detector GD1 (2 pages)	0	2011-02-23
836-816760	Gas Detector, System Overview Drawing, GD1 System	0	2011-02-23
NDOC-7-663	LaserGas III-Label-Receiver- OP	1.0	2015-08-14
NDOC-7-664	LaserGas III-Label-Receiver- OP	1.0	2015-08-14

[17]   **Specific Conditions of Use**

Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in tables 1 and 2 of IEC 60079-1.

The glass on the receiver unit only complies with the impact test for low energy, and must be placed in area with low risk of mechanical danger.

[18]   **Essential Health and Safety Requirements**

See part 9 of this certificate

END OF CERTIFICATE

DNV Nemko Presafe AS, Gaustadalléen 30, 0373 Oslo, Norway