



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX PRE 18.0006X** issue No.: **0**

Certificate his

Status: **Current**

Date of Issue: **2018-05-29** Page 1 of 3

Applicant: **Neo Monitors**  
2019 Skedsmokorset  
**Norway**

Equipment: **LaserDust MP, LaserDust LP**

Optional accessory:

Type of Protection: **Non-Sparking**

Marking: Ex nA nC op is IIC T4 Gc, -20°C ≤ Ta ≤ +55°C  
Ex tc op is IIIC T85°C Dc, -20°C ≤ Ta ≤ +55°C

Approved for issue on behalf of the IECEx Certification Body: Asle Kaastad

Position: Certification Manager

Signature: (for printed version) \_\_\_\_\_

Date: \_\_\_\_\_

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**DNV GL Nemko Presafe AS**  
Veritasveien 3  
1363 Høvik  
Norway





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Manufacturer: **Neo Monitors AS**  
2019 Skedsmokorset  
**Norway**

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

#### STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-15 : 2010</b> Edition: 4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
<b>IEC 60079-28 : 2015</b> Edition: 2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
<b>IEC 60079-31 : 2013</b> Edition: 2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:

[NO/PRE/ExTR18.0007/00](#)

Quality Assessment Report:

[NO/DNV/QAR12.0012/02](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows*

The LaserDust Monitor MP & LP is an optical instrument based on transmitting visible laser light from a transmitter unit on one side of the stack to a receiver unit on the diametrically opposite side of the stack. The measuring technique is based on measuring absorption and scattering of light created by the dust particles present in the stack.

**Electrical Data :** 24 VDC

**Degrees of protection (IP Code) :** IP66 according to EN 60079-0

**Ambient temperature:**  $-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$

### SPECIFIC CONDITIONS OF USE: YES as shown below:

Potential risk of electrostatic discharge. See instructions for guidance to minimize risk of electrostatic discharge.





