



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX NEM 07.0006** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 3 [Issue 2 \(2011-09-30\)](#)
Date of Issue: 2014-10-09 [Issue 1 \(2009-08-31\)](#)
[Issue 0 \(2008-05-15\)](#)
Applicant: **Simtronics AS**
Kabelgaten 8
P.O. Box 314, Økern
N-0511 OSLO
Norway
Equipment: **Gas detector**
Optional accessory:
Type of Protection: **Flameproof and increased safety**
Marking: Ex d e IIC T5/T6 Gb, -40°C ≤ Ta ≤ 85°C/65°C

Approved for issue on behalf of the IECEx
Certification Body:

Bjørn Spongsveen

Position:

Certification Manager, Ex-products

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 www.iecex.com or use of this QR Code.



Certificate issued by:

NEMKO
Gaustadelleen 30
Oslo N-0314
Norway





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Manufacturer: **Simtronics AS**
Kabelgaten 8
P.O. Box 314, Økern
N-0511 OSLO
Norway

Additional
manufacturing
locations:

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 equipment 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

IEC 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1:2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

IEC 60079-7:2006-07 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:4

This Certificate **does not** indicate compliance with 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 Reports:

[NO/NEM/ExTR08.0002/00](#)
[NO/NEM/ExTR08.0002/03](#)

[NO/NEM/ExTR08.0002/01](#)

[NO/NEM/ExTR08.0002/02](#)

Quality Assessment Report:

[NO/NEM/QAR08.0004/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The GD10P and GD10PE Gas Detectors are point detectors for gas concentration monitoring in potentially hazardous and/or poisonous environments.

Type: GD10 P, GD10 PE

Voltage: 18 to 32 VDC

Power: 3,5W

Current: 0,3A

IP: 66/67

Range of ambient temperature in service: $-40^{\circ}\text{C} \leq T_a \leq 65^{\circ}\text{C}$ Temp. Class: T6

Range of ambient temperature in service for optical path unit: $-40^{\circ}\text{C} \leq T_a \leq 85^{\circ}\text{C}$ Temp. Class: T5

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: Housing machined: Change logo from Simrad to Simtronics – remove area from badge – Housing casting 599-809463 omitted – replaces by 3D part of machining – raise center boss to M16 and minor change on the marking plate. Optical Unit machined: Prepare for a new automation process - remove procedure of filling the nozzle with silicone rubber- make preparations for a new cover mirror plate. Optical Unit casting 599-809462 - replaces by 3D part of machining.

Issue 2: New edition of standards, change of name from Simtronics ASA to Simtronics AS and change of address number. The technical data is set more accurate: Current 0,3A and Power 3,5W.

Issue 3: Update to new edition of standard 60079-0. Updated documents.