



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

Certificate No.:	IECEX DEK 15.0065	Issue No: 2	Certificate history:
Status:	Current		Issue No. 2 (2018-07-31)
Date of Issue:	2018-07-31	Page 1 of 4	Issue No. 1 (2017-11-13)
Applicant:	Buveco Gasdetection B.V. Jan van der Heydenstraat 50 2665 JA, Bleiswijk The Netherlands		Issue No. 0 (2017-04-26)
Equipment:	Portable Gasdetector, Model ECOTOX and Model ECOTOX Plus		
Optional accessory:			
Type of Protection:	intrinsic safety		
Marking:	Ex ia IIB T4 Ga Ex ia IIC T4 Gb		

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:

2018-07-31

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:

DEKRA Certification B.V.
Meander 1051,
6825 MJ Arnhem
The Netherlands





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Manufacturer: **Buveco Gasdetection B.V.**
Jan van der Heijdenstraat 50
2665 JA, Bleiswijk
The Netherlands

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:

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

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

*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:

[NL/DEK/ExTR15.0090/02](#)

Quality Assessment Report:

[NL/DEK/QAR15.0008/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

General product information:

The Portable Gasdetector, Model ECOTOX and Model ECOTOX Plus, is used for gasdetection for personal safety.

The detector measures the concentration of various toxic, flammable gasses or oxygen, depending on the applied electrochemical sensor. If the concentration reaches a predefined minimum or maximum level, an alarm (audible, visible and vibrating) is initiated.

Model ECOTOX Plus provides wireless communication.

Ambient temperature range -20 °C to +60 °C.

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

Electrical data

Supplied by non-rechargeable 3.6 V Lithium Thionyl Chloride battery.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

hardware changes