

CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **KEMA 03ATEX1361** Issue Number: **3**

(4) Product: **Portable Gasdetector Model ECOTOX and Model ECOTOX Plus**

(5) Manufacturer: **Buveco Gasdetection B.V.**

(6) Address: **Jan van der Heydenstraat 50, 2665 JA Bleiswijk, The Netherlands**

(7) This product 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 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products 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 NL/DEK/ExTR15.0090/01.

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

EN 60079-0 : 2012 + A11 : 2013

EN 60079-11 : 2012

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



II 1 G Ex ia IIB T4 Ga
II 2 G Ex ia IIC T4 Gb

Date of certification: 13 November 2017

DEKRA Certification B.V.

R. Schuller
Certification Manager

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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 03ATEX1361**

Issue No. **3**

(15) **Description**

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.

Installation instructions

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

(16) **Report Number**

No. NL/DEK/ExTR15.0090/01.

(17) **Specific conditions of use**

None.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR15.0090/01.

(20) **Certificate history**

Issue 1 - 203064500:	initial certificate
Issue 2 - 216661400:	additional of model Ecotox Plus, minor constructional changes, assessment to latest edition of the standards and Specific conditions of use are no longer applicable.
Issue 3 - 222112900	hardware changes