



CERTIFICATE

1 EU – Type Examination Certificate

2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU

3 EU – Type Examination Certificate Number: **KIWA 18ATEX0029 X Issue: 1**

4 Product: **Gas Detector Type ST480xi**

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

6 Address: **Zuidpool 9, 2801 RW Gouda
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 Kiwa Nederland B.V., Notified Body number 0620 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 ATEX Assessment Report No. 180900076.

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0 : 2018 EN 60079-1 : 2014
EN 60079-11 : 2012 EN 60079-31 : 2014

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:



Compact version / Remote Sensor version:

II 2 G Ex db ia IIC T4 Gb
II 2 D Ex ia tb IIIC T135 °C Db

Remote Transmitter version:

II 2 G Ex db IIC T4 Gb
II 2 D Ex tb IIIC T135 °C Db

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Ronald Karel
Managing Director

Issue date:

18 June 2019

First issue:

This certificate shall, as far as applicable, be revised before the date of cessation of presumption of conformity of (one of) the included standards above as communicated in the Official Journal of the European Union.

© Integral publication of this certificate in its entirety and without any change is allowed.



13 SCHEDULE

14 EU – Type Examination Certificate KIWA 18ATEX0029 X Issue No. 1

15.1 Description of Product

The Gas Detector, type ST480xi is used for the detection of combustible and/or toxic gases and oxygen. It consists of an aluminum or stainless steel enclosure and a stainless steel gas sensor. The enclosure can be provided with a blind or windowed cover.

The gas detector is available as a compact version with sensor and electronics in one flameproof enclosure and as a remote version where the sensor and transmitter are mounted in separate flameproof enclosures and connected with a cable.

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

Functional performance

Assessment of the measuring function according to Annex II, Paragraph 1.5.5 of Directive 2014/34/EU is not part of this EU – Type Examination.

15.2 Electrical Data

Non-intrinsically safe input (connector CON1) with the following maximum values:
 $U_N = 30 \text{ V}$; $I_N = 40 \text{ mA}$; $U_M = 250 \text{ V}$.

15.3 Instructions

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

16 ATEX Assessment Report Number

No. 180900076.

17 Specific Conditions of Use

- Suitable measures shall be taken to prevent electrostatic charge of the adhesive labels.
- For details on the dimensions of the flameproof joints the manufacturer shall be contacted.

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at section 9.

19 Drawings and Documents

As listed in ATEX Assessment Report No. 180900076.

