



# 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 KIWA 18.0012X Issue No: 0 Certificate history:  
Issue No. 0 (2019-09-02)

Status: **Current** Page 1 of 3

Date of Issue: 2019-09-02

Applicant: **Buveco Gasdetection B.V.**  
Zuidpool 9  
2801 RW Gouda  
The Netherlands

Equipment: **Gas Detector, Type ST480xi**  
*Optional accessory:*

Type of Protection: **d, i, t**

Marking: Compact version / Remote Sensor version:  
Ex db ia IIC T4 Gb  
Ex ia tb IIIC T135°C Db

Remote Transmitter version:  
Ex db IIC T4 Gb  
Ex tb IIIC T135°C Db

Approved for issue on behalf of the IECEx  
Certification Body:

Harry de Wild

Position:

Certification Officer

Signature:  
(for printed version)

Date:

02 September 2019

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:

Kiwa Nederland B.V. (Unit Kiwa ExVision)  
Wilmersdorf 50  
7327 AC Apeldoorn  
P.O. Box 137  
The Netherlands





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Date of Issue: **2019-09-02** Page 2 of 3  
Manufacturer: **Buveco Gasdetection B.V.**  
Zuidpool 9, 2801 RW Gouda  
**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:

<b>IEC 60079-0 : 2017</b> Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
<b>IEC 60079-1 : 2014-06</b> Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-11 : 2011</b> Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<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:

[NL/KIWA/ExTR18.0015/00](#)

Quality Assessment Report:

[NL/DEK/QAR15.0008/03](#)



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Page 3 of 3

## Schedule

### EQUIPMENT:

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

The Gas Detector, type ST480xi, is used for the detection of combustible and/or toxic gases and oxygen. It consists of an aluminium 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 (simple apparatus) 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.

The Gas detector shall be used with the following Ex db and Ex tb certified enclosures:

Manufacturer	Type	Certificate No.
Limatherm S.A	XD-S120 / XD-S120win	IECEX KDB 13.0006U
Limatherm S.A	XD-I or XD-ILwin	IECEX FTZU 12.0017U
Limatherm S.A	XD-120L or XD-120Lwin	IECEX FTZU 11.0012U
Limatherm S.A	XD-SI or XD-SLwin	IECEX FTZU 10.0010U
CORTEM S.p.A.	GUB-OV	IECEX CES 14.0012U

### Electrical data:

Non-intrinsically safe input (connector CON1) with the following maximum values:

$U_N = 30 \text{ V}$ ;  $I_N = 40 \text{ mA}$ ;  $U_M = 250 \text{ V}$ .

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

- 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.