



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 KIWA 16.0003X**

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Certificate history:

Status: **Current**

Issue No: 2

[Issue 1 \(2020-07-22\)](#)

[Issue 0 \(2016-08-04\)](#)

Date of Issue: 2022-10-10

Applicant: **Consilium Safety Netherlands BV**
Zuidpool 9
Gouda 2801 RW
Netherlands

Equipment: **Gas Detector, types ST350EX, ST360EX, ST450EC, ST650EX and ST650-CO2**

Optional accessory:

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

Marking: Ex db IIC T6 Gb or Ex db IIC T3 Gb
Ex tb IIIC T85 °C Db or Ex tb IIIC T200 °C Db

Approved for issue on behalf of the IECEx
Certification Body:

Dave Magee

Position:

Senior Director of Operations, Toronto

Signature:
(for printed version)

Date:
(for printed version)

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:

CSA Group
178 Rexdale Blvd
Toronto Ontario M9W 1R3
Canada





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Manufacturer: **Consilium Safety Netherlands BV**
Zuidpool 9
Gouda 2801 RW
Netherlands

Manufacturing locations: **Consilium Safety Netherlands BV**
Zuidpool 9
Gouda 2801 RW
Netherlands

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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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:

[NL/KIWA/ExTR16.0004/00](#)

[NL/KIWA/ExTR16.0004/01](#)

[NL/KIWA/ExTR16.0004/02](#)

Quality Assessment Report:

[NL/DEK/QAR15.0008/04](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Gas Detector, types ST350EX, ST360EX, ST450EC, ST650EX and ST650-CO₂ are 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 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.

The Gas Detectors shall be marked with the following code:

- All versions except remote F1 gas sensor of gas detector type ST650EX:
 - Ex db IIC T6 Gb
 - Ex tb IIC T85 °C Db
- Remote F1 gas sensor of gas detector type ST650EX:
 - Ex db IIC T3 Gb
 - Ex tb IIC T200 °C Db

Ambient temperature range:

- All versions except remote F1 gas sensor of gas detector type ST650EX: -20 °C to +60 °C
- Remote F1 gas sensor of gas detector type ST650EX: -20 °C to +120 °C.

Electrical data

Supply: 24 Vdc or 18-30 Vdc, max. 120 mA

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. If the gas detector is applied in dust explosive atmospheres, suitable measures shall be taken to prevent electrostatic charge of the labels.
2. For details on the dimensions of the flameproof joints the manufacturer shall be contacted.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1:

- Change of the address of applicant/manufacture
- Update to the latest editions of the standards
- Addition of type ST360Ex
- Change of the type reference:

Old	New
BUTOX ST350EX	ST350EX
BUCOM ST650EX	ST650EX
BUVOX ST650EX	ST650-CO ₂
BUTOX ST450EC	ST450EC
- Addition of a voltage range
- Weather protection material changed

Issue 2:

The Applicant and Manufacturers name was changed:

From: Buveco Gasdetection

To: Consilium Safety Netherlands BV