



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 18.0012X**

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Certificate history:

Status: **Current**

Issue No: 1

[Issue 0 \(2019-09-02\)](#)

Date of Issue: 2022-10-13

Applicant: **Consilium Safety Netherlands B.V.**
Zuidpool 9
Gouda 2801 RW
Netherlands

Equipment: **Gas Detector, Type ST480xi**

Optional accessory:

Type of Protection: **Flameproof "db", Intrinsic Safety "ia", and Dust Protection by Enclosure "tb"**

Marking: Compact version / Remote Sensor version:
Ex db ia IIC T4 Gb
Ex ia tb IIIC T135°C Db
Tamb = -20°C to +60°C

Remote Transmitter version:
Ex db IIC T4 Gb
Ex tb IIIC T135°C Db
Tamb = -20°C to +60°C

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 B.V.**
Zuidpool 9
Gouda 2801 RW
Netherlands

Manufacturing
locations: **Consilium Safety Netherlands B.V.**
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 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

[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/ExTR18.0015/00](#)

[NL/KIWA/ExTR18.0015/01](#)

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, 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:

Type	Certificate No.
XD-I or XD-ILwin	IECEx FTZU 12.0017U
XD-SI or XD-SILwin	IECEx FTZU 10.0010U

Electrical data:

Non-intrinsically safe input (connector CON1)

Power Supply: 18 ~ 30Vdc – Pmax 2.2W (Um = 250Vac)

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.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1 – this Issue introduced the following changes:

1. To permit an optional internal configuration which includes an isolator PCB and revised main PCB where Pmax increases to 2.2W, when manufactured using the XD-ILwin enclosure covered by the certificate IECEx FTZU 12.0017U, or the XD-SILwin enclosure covered by the certificate IECEx FTZU 10.0010U.
2. To remove from certification the option to use the XD-S120 / XD-S120win enclosures as covered by the certificate IECEx KDB 13.0006U, the XD-120L or XD-120Lwin enclosures as covered by the certificate IECEx FTZU 11.0012U and the GUB-OV enclosure as covered by the certificate IECEx CES 14.0012U.
3. To allow for a change of company name.