



1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **KIWA 16ATEX0008X** Issue: **3**

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

5 Applicant: **Consilium Safety Netherlands BV**

6 Address: **Zuidpool-9  
2801 RW Gouda  
The Netherlands**

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Netherlands B.V., notified body number 2813 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN IEC 60079-0:2018      EN 60079-1:2014      EN 60079-31:2014

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 2 G    Ex db IIC T6 Gb or Ex db IIC T3 Gb  
II 2 D    Ex tb IIIC T85 °C Db or Ex tb IIIC T200 °C Db  
Ta = -20°C to +60°C

Signed: Michelle Halliwell

Title: Director of Operations



Project Number 80133513

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## SCHEDULE

### EU-TYPE EXAMINATION CERTIFICATE

KIWA 16ATEX0008X  
Issue 3

#### 13 DESCRIPTION OF EQUIPMENT

The Gas Detector, types ST350EX, ST360EX, ST450EX, ST650EX and ST650-CO<sub>2</sub> 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 IIIC T85 °C Db

Remote F1 gas sensor of gas detector type ST650EX:

Ex db IIC T3 Gb

Ex tb IIIC 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

#### 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.

#### Electrical Data

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

**Variation 1** - This variation introduced the following changes:

- i. Change of the manufacturer's address
- ii. Update to the latest editions of the standards
- iii. Change of the type identifications of the gas detectors
- iv. Extension of the supply voltage
- v. Addition of gas detector type ST360EX
- vi. Material of weather protection changed

**Variation 2** - This variation introduced the following change:

- i. The Applicant and certificate holders name was changed:

From	To
Buveco Gasdetection	Consilium Safety Netherlands BV

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

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## SCHEDULE

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#### 14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
1	24 May 2018	151001711.	The release of the prime certificate.
2	22 July 2020	200401235	The introduction of Variation 1
3	10 October 2022	R80133513A	The introduction of Variation 2

#### 15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

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

#### 16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

#### 17 CONDITIONS OF MANUFACTURE

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of CSA Group Netherlands B.V. certificates.
- 17.2 Holders of EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

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# Certificate Annexe



Certificate Number: KIWA 16ATEX0008X

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

Applicant: Consilium Safety Netherlands BV

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Issues 1 & 2 Inclusive: Refer to the report stated in section 14.2

## Issue 3

Drawing	Sheets	Rev.	Date (Stamp)	Title
1226323 – label-doc	1 of 6	C2.0	28 Sep 22	ST50EX 65x35mm Label
1226323 – label-doc	2 of 6	C2.0	28 Sep 22	ST650EX remote HT 65x35mm Label
1226323 – label-doc	3 of 6	C2.0	28 Sep 22	ST650-CO2 65x35mm Label
1226323 – label-doc	4 of 6	C2.0	28 Sep 22	ST350EX 65x35mm Label
1226323 – label-doc	5 of 6	C2.0	28 Sep 22	ST360EX 65x35mm Label
1226323 – label-doc	6 of 6	C2.0	28 Sep 22	ST450EC 65x35mm Label

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