



**UNITED KINGDOM CONFORMITY ASSESSMENT**

1 **UK TYPE EXAMINATION CERTIFICATE**

2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres

**UKSI 2016:1107 (as amended) – Schedule 3A, Part 1**

3 Certificate Number: **CSAE 22UKEX1403X** Issue: **0**  
4 Product: **Gas Detector Types: ST350EX, ST360EX, ST450EC, ST650EX, and ST650-CO2**  
5 Manufacturer: Consilium Safety Netherlands BV  
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 CSA Group Testing UK Limited, Approved Body number 0518, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), 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 Schedule 1 of the Regulations. 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 has been assured by compliance with:

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

Except in respect of those requirements listed at Section 16 of the schedule to this certificate. The above standards may not appear on the UKAS Scope of Accreditation, but have been added through flexible scope of accreditation, which is available on request.

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

11 This UK TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of this product shall be in accordance with Regulation 41 and include the following:



II 2GD  
Ex db IIC T6 Gb or Ex db IIC T3 Gb  
Ex tb IIIC T85°C Db or Ex tb IIIC T200°C Db  
Tamb = refer to Description of Product

Name: M Halliwell  
Title: Director of Operations



**Certificate No. CSAE 22UKEX1403X**  
**CSA Group Testing UK Ltd., Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, UK**

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**SCHEDULE**

**UK TYPE EXAMINATION CERTIFICATE**

**CSAE 22UKEX1403X  
Issue 0**

**13 DESCRIPTION OF PRODUCT**

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 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 Schedule 1, Paragraph 24(1) of UKSI 2016:1107 is not part of this UK – Type Examination.

**Electrical Data**

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

**14 DESCRIPTIVE DOCUMENTS**

**14.1 Drawings**

Refer to Certificate Annexe.

**14.2 Associated Reports and Certificate History**

Issue	Date	Report number	Comment
0	20 December 2022	R80149079A	The release of the prime certificate.

**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 the 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 (REGULATIONS SCHEDULE 1)**

In addition to the Essential Health and Safety Requirements covered by the standards listed in Section 9, all other requirements are demonstrated in the relevant reports.



## **SCHEDULE**

### **UK TYPE EXAMINATION CERTIFICATE**

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**Issue 0**

#### **17 PRODUCTION CONTROL**

- 17.1 Holders of this certificate are required to comply with production control requirements defined in Schedule 3A, as applicable, and CSA Group Testing UK Regulations for Certificate Holders.



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