



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



**UKUK
CANI**

CSA Group Testing UK Ltd., Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, UK
This certificate and its schedules may only be reproduced in its entirety and without change

Certificate No. CSAE 22UKEX1403X

QD-1599 Issue 4 (2022-08-22)

Page 1 of 3

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

CSAE 22UKEX1403X
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.



UK UK
CANI



Certificate Annexe

Certificate Number: CSAE 22UKEX1403X
 Product: Gas Detector Types: ST350EX, ST360EX, ST450EC, ST650EX, and ST650-CO2
 Manufacturer: Consilium Safety Netherlands BV

Issue 0

Drawing	Sheets	Rev.	Date (Stamp)	Title
4002716	1 of 1	5.3	07-01-2020	Splash guard (BUSENS_D)
Limatherm enclosure ST3../ST4../ST6..	1 of 1	1	17-06-2016	Limatherm Enclosure
Limatherm enclosure ST3../ST6../ST4.. Remote	1 of 1	0	17-06-2016	Limatherm Enclosure
GUB enclosure ST3../ST4../ST6..	1 of 1	1	17-06-2016	GUB Enclosure
Limatherm & GUB Dimensions ST3../ST4../ST6..	1 of 1	1	17-06-2016	Limatherm & Gub Dimensions
Description ST350_ST650_ATEX_IECEX	1 to 11	7	14-07-2020	Description ST350EX / ST360EX / ST650EX / ST650-CO2 (11 pages)
Description ST450_ATEX_IECEX	1 to 7	6	14-07-2020	Description ST450EC (7 pages)
Sensor interface	1 of 1	1.29	30-11-2015	Block Diagram ST 650 MSP (sheet 2 of 6)
Main	1 of 1	1.40	10-06-2016	Block Diagram ST 450 (sheet 2 of 7)
BUVECO_H2O_slot	1 of 1	1.03	-	Weather protection
schotel_assembly	1 of 1	1.00	-	Weather protection
1226323	1 of 1	C2.1	08 Dec 22	ST650EX 65x35mm Label
1226327	1 of 1	C2.2	08 Dec 22	ST650EX remote HT 65x35mm Label
1226315	1 of 1	C2.3	08 Dec 22	ST650-CO2 65x35mm Label
1227155	1 of 1	C2.2	08 Dec 22	ST350EX 65x35mm Label
1227199	1 of 1	C2.2	08 Dec 22	ST360EX 65x35mm Label
1228182	1 of 1	C2.1	08 Dec 22	ST450EC 65x35mm Label



CSA Group Testing UK Ltd., Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, UK
 This certificate and its schedules may only be reproduced in its entirety and without change

QD-1599 Issue 4 (2022-08-22)

Page 1 of 1