



1 EU – Type Examination Certificate

2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU

3 EU – Type Examination Certificate Number: **KIWA 16ATEX0008 X Issue: 2**

4 Product: **Gas Detectors, types ST350EX, ST360EX, ST450EC, ST650EX and ST650-CO₂**

5 Manufacturer: **Buveco Gasdetection 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 Kiwa Nederland B.V., Notified Body number 0063 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 Annex II to the Directive.
The examination and test results are recorded in confidential ATEX Assessment Report No. 151001711.

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

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

11 This EU – Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product 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**

CERTIFICATE

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Ron Scheepers
Managing Director

Issue date:

22 July 2020

First issue:

24 May 2016

This certificate shall, as far as applicable, be revised before the date of cessation of presumption of conformity of (one of) the included standards above as communicated in the Official Journal of the European Union.

© Integral publication of this certificate in its entirety and without any change is allowed.

13 SCHEDULE

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15.1 Description of Product

The Gas Detector, types ST350EX, ST360EX, ST450EX, 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 Annex II, Paragraph 1.5.5 of Directive 2014/34/EU is not part of this EU – Type Examination.

15.2 Electrical Data

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

15.3 Instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

16 ATEX Assessment Report Number

151001711.

17 Specific Conditions of Use

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

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at section 9.

13 **SCHEDULE**

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19 **Drawings and Documents**

As listed in ATEX Assessment Report No. 151001711.

20 **Description of Certificate Changes (for Issue 2 and above)**

Issue 2, Kiwa reference no. 200401235:

- Change of the manufacturer's address
- Update to the latest editions of the standards
- Change of the type identifications of the gas detectors
- Extension of the supply voltage
- Addition of gas detector type ST360EX
- Material of weather protection changed