



# 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](http://www.iecex.com)

Certificate No.: **IECEX DEK 15.0055X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 1 [Issue 0 \(2015-10-07\)](#)  
Date of Issue: 2021-05-25  
Applicant: **SENSE-WARE Fire and Gas Detection B.V.**  
Fokkerstraat 25  
Veenendaal 3905 KV  
**Netherlands**  
Equipment: **Flame Detectors model UV/IR-210/1CZ Series, model UV-185/5CZ Series and model IR3-109/1CZ Series**  
Optional accessory:  
Type of Protection: **Ex nA and Ex tc**  
Marking: **Ex nA IIC T4 Gc**  
**Ex tc IIIC T71 °C Dc**

Approved for issue on behalf of the IECEx  
Certification Body:

**R. Schuller**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:

2021-05-25

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](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**DEKRA Certification B.V.**  
**Meander 1051**  
**6825 MJ Arnhem**  
**Netherlands**





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Manufacturer: **SENSE-WARE Fire and Gas Detection B.V.**  
Fokkerstraat 25  
Veenendaal 3905 KV  
**Netherlands**

Additional  
manufacturing  
locations:

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 60079-0:2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0

**IEC 60079-15:2010** Explosive atmospheres - Part 15: Equipment protection by type of protection "n"  
Edition:4

**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 Report:

[NL/DEK/ExTR15.0076/01](#)

Quality Assessment Report:

[NL/DEK/QAR15.0005/04](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Flame detector model UV/IR-210/1CZ Series is a combination of an UV- and IR-flame detector, model UV-185/5CZ Series is a UV-flame detector and model IR3-109/1CZ Series is a Triple IR-flame detector.

The type code, the temperature class, the ambient temperature range and the maximum surface temperature T at the maximum ambient temperature of the modules shall be taken from Table 1, see Annex1.

The enclosure provides a degree of protection of at least IP65.

## **Electrical data**

The electrical data shall be taken from Table 1, see Annex 1.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

When the temperature under rated conditions exceeds 70 °C at the cable or conduit entry point, or 80 °C at the branching point of the conductors, the temperature specification of the selected cable shall be in compliance with the actual measured temperature values.

Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 119 V.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Address changed.

**Annex:**

[225645100-Annex1.pdf](#)