



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

Certificate No.: **IECEX FMG 21.0010X** Page 1 of 4 [Certificate history:](#)
Issue 0 (2021-09-09)

Status: **Current** Issue No: 1

Date of Issue: 2024-06-06

Applicant: **CROWCON DETECTION INSTRUMENTS LTD**
172 Brook Drive
Milton Park
Abingdon
Oxfordshire
OX14 4SD
United Kingdom

Equipment: **FGard IR3 Flame Detector; FGard H2 Flame Detector**

Optional accessory:

Type of Protection: **Flameproof "db"**

Marking: **IECEX FMG 21.0010X**
Ex db IIC T4 Gb Ta= -60°C to +85°C

Approved for issue on behalf of the IECEx
Certification Body:

J. E. Marquedant

Position:

VP, Manager - Electrical Systems

Signature:
(for printed version)

Date:
(for printed version)

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 or use of this QR Code.



Certificate issued by:

FM Approvals LLC
One Technology Way
Norwood MA 02062
United States of America





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Manufacturer: **CROWCON DETECTION INSTRUMENTS LTD**
172 Brook Drive
Milton Park
Abingdon
Oxfordshire
OX14 4SD
United Kingdom

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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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 Reports:

[US/FMG/ExTR21.0012/00](#)

[US/FMG/ExTR21.0012/01](#)

Quality Assessment Report:

[GB/BAS/QAR06.0070/11](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

FGard IR3 Flame Detector; FGard H2 Flame Detector

SPECIFIC CONDITIONS OF USE: YES as shown below:

The equipment is to be installed in places where there is a low risk of mechanical damage.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Addition of FGard H2 Flame Detector.