



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 EMT 19.0006X	Page 1 of 5	<u>Certificate history:</u>
Status:	Current	Issue No: 3	Issue 2 (2021-12-14)
Date of Issue:	2022-03-07		Issue 1 (2021-09-20)
Applicant:	Opgal Optronics Industries Ltd. P.O. Box 462, Industrial Area 5 Hanapach 11 Karmiel 2161401 Israel		Issue 0 (2020-05-13)
Equipment:	Optical Gas Imager (Infrared Gas Leak Detection Camera) Model EyeCGas 2.0		
Optional accessory:			
Type of Protection:	Intrinsic Safety "ic", protection "n"		
Marking:	Ex ic nA nC IIC T6 Gc T _{amb} = -20 °C to +50 °C		
	Ex ic IIIC T85 °C Dc T _{amb} = -20 °C to +50 °C		

Approved for issue on behalf of the IECEx
Certification Body:

Stephen Winsor

Position:

Certification Manager

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:

Element Materials Technology
Unit 1 Pendle Place
Skelmersdale
West Lancashire
United Kingdom





IECEX Certificate of Conformity

Certificate No.: **IECEX EMT 19.0006X**

Page 2 of 5

Date of issue: 2022-03-07

Issue No: 3

Manufacturer: **Opgal Optronik Industries Ltd.**
P.O. Box 462, Industrial Area 5 Hanapach 11
Karmiel 2161401
Israel

Manufacturing locations: **Thermo Fisher Scientific (Suzhou)
Inst Co. Ltd**
No.555, Jinfeng Road,
New District,
Suzhou, Jiangsu 215129,
China

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 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

[IEC 60079-15:2010](#) Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:4

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:

[GB/EMT/ExTR20.0005/00](#)

[GB/EMT/ExTR20.0005/01](#)

Quality Assessment Reports:

[GB/ITS/QAR21.0014/00](#)

[IL/ITL/QAR20.0002/01](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX EMT 19.0006X**

Page 3 of 5

Date of issue: 2022-03-07

Issue No: 3

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

EyeCGas is a handheld infrared camera capable of imaging and recording operations for the detection of gas leaks. The equipment is powered by Li-ion polymer battery pack. It is designed for use in Zone 2 / 22 hazardous environment. Main protection concept applied is intrinsic safety. On the enclosure there are external connections facilities (connector USB, and connector AUX, 12-pin connector) that are restricted for use in a non-hazardous area only.

The equipment is housed within an aluminium enclosure and features a backlit display. The function of the equipment is controlled by a number of push buttons located on the top of the enclosure.

The battery pack is removable and is recharged via an external battery pack charging cradle. The battery pack must not be replaced when the equipment is located in a hazardous area. Additionally there is a primary 3 V coin backup cell for a RTC.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The audio and USB port must not be used and the screw-on caps must remain firmly attached when the equipment is located in the hazardous area.
2. The battery pack must not be replaced or recharged when the equipment is located in the hazardous area. The battery pack must only be recharged by approved Opgal chargers.



IECEX Certificate of Conformity

Certificate No.: **IECEX EMT 19.0006X**

Page 4 of 5

Date of issue: 2022-03-07

Issue No: 3

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Change to address of additional manufacturing location



IECEX Certificate of Conformity

Certificate No.: **IECEX EMT 19.0006X**

Page 5 of 5

Date of issue: 2022-03-07

Issue No: 3

Additional information:

Element Materials Technology reference GU-OPGQ-0004

Annex:

[Annex to IECEx EMT 19.0006X issue 3.pdf](#)