

# Certification Record

Listing#: E113197  
Report #: 106900  
Original Certification Date: September 23, 2011  
Revised Certification Date: February 25, 2020



This Certification is issued to:  
Opgal Optronics Industries Ltd.  
P.O. Box 462, Industrial Area 5  
Karmiel, Israel 20101

Stating that the product(s):  
EYE-C-GAS, Model: 8G9A0000B, 8G9A0000B-CO, 8G9A0000B-CO2, 8G9A0000B-TVA, and  
8G9A0000B-MG

Achieved Certification to the following standard(s):  
ANSI/ISA-12.12.01-2011, Nonincendive Electrical Equipment for Use in Class I and II, Division  
2, and Class III Hazardous (Classified) Locations  
CSA C22.2 No. 213-M1987, First Edition: Non-Incendive Electrical Equipment for Use in Class  
I, Division 2 Hazardous Locations

Nehemya Cohen  
Project Engineer,  
Eurofins MET Labs Safety Laboratory

*All changes proposed in the previously identified product that affects the above information must be submitted to Eurofins MET Labs for evaluation prior to implementation to assure continued MET Certification status.*

*The covered product(s) shall be subject to follow-up inspections to ensure that the Certified product(s) are identical to the product sample evaluated by Eurofins MET Labs and that all manufacturer's responsibilities are being fulfilled as specified in the Manufacturer's Responsibility section of the Certification report. The applicant named above has been authorized by Eurofins MET Labs to represent the product(s) listed in this record as "MET Certified" and to mark this/these product(s) according to the terms and conditions of the MET Applicant Contract, MET Listing Reports, and the applicable marking agreements. Only the product(s) bearing the MET Mark and under a follow-up service are considered to be included in the MET Certification program. This certification has been granted under a System 3 program as defined in ISO/IEC 17067.*



Eurofins MET Labs is accredited by OSHA and the Standards Council of Canada.  
Eurofins MET Labs – The Nation's First Nationally Recognized Testing Laboratory

**NRTL**



## IECEX Certificate of Conformity

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

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Date of issue: **2020-05-13**

Issue No: 0

Manufacturer: **Opgal Optronic Industries Ltd.**  
P.O. Box 462, Industrial Area 5  
Hanapach 21  
Karmiel 2161401  
Israel

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 60079-0:2017 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 Report:

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

Quality Assessment Report:

[IL/ITL/QAR20.0002/00](#)



## IECEX Certificate of Conformity

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

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Date of issue: **2020-05-13**

Issue No: 0

### **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.

### **Annex:**

[Annex to IECEx EMT 19.0006X issue 0\\_1.pdf](#)



# 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 EMT 19.0006X** Page 1 of 3 [Certificate history.](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2020-05-13  
Applicant: **Opgal Optronic Industries Ltd.**  
P.O. Box 462, Industrial Area 5  
Hanapach 21  
Karmiel 2161401  
Israel  
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<sub>amb</sub> = -20 °C to +50 °C  
Ex ic IIIC T85 °C Dc T<sub>amb</sub> = -20 °C to +50 °C

Approved for issue on behalf of the IECEX  
Certification Body:

**S P Winsor**

Position:

**Certification Manager**

Signature:  
(for printed version)

\_\_\_\_\_

Date:

\_\_\_\_\_

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:

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

