



# 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.:	<b>IECEx FMG 11.0003X</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 10	<a href="#">Issue 9 (2022-01-12)</a> <a href="#">Issue 8 (2021-07-29)</a> <a href="#">Issue 7 (2021-02-23)</a> <a href="#">Issue 6 (2019-12-23)</a> <a href="#">Issue 5 (2019-01-28)</a> <a href="#">Issue 4 (2017-04-17)</a> <a href="#">Issue 3 (2016-10-13)</a> <a href="#">Issue 2 (2013-12-30)</a> <a href="#">Issue 1 (2013-04-30)</a> <a href="#">Issue 0 (2011-11-29)</a>
Date of Issue:	2023-06-21		
Applicant:	<b>General Monitors Inc</b> 16782 Von Karman Ave. Unit 14 Irvine, CA 92606 <b>United States of America</b>		
Equipment:	<b>Gassonic Observer-H Acoustic Gas Leak Detector, Observer-i Acoustic Gas Leak Detector</b>		
Optional accessory:			
Type of Protection:	<b>Flameproof enclosure Ex db with integral associated apparatus limiting energy to externally mounted intrinsically safe microphone and piezo source Ex ia; Dust ignition protection by enclosure Ex tb</b>		
Marking:	Ex db ia IIB + H2 Gb T6 Tamb = -40°C to +60°C Ex tb IIIC T85°C Db Tamb = -40°C to +60°C; IP66		

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

Certificate issued by:

**FM Approvals LLC**  
1151 Boston-Providence Turnpike  
Norwood, MA 02062  
**United States of America**

**FM Approvals**  
Member of the FM Global Group



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Manufacturer: **General Monitors Ireland Ltd.**  
Ballybrit Business Park  
Galway  
Ireland

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

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

Edition:6.0

[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 Reports:

[US/FMG/ExTR11.0002/00](#)

[US/FMG/ExTR11.0002/01](#)

[US/FMG/ExTR11.0002/02](#)

[US/FMG/ExTR11.0002/03](#)

[US/FMG/ExTR11.0002/05](#)

[US/FMG/ExTR11.0002/06](#)

[US/FMG/ExTR11.0002/07](#)

[US/FMG/ExTR11.0002/08](#)

[US/FMG/ExTR11.0002/09](#)

[US/FMG/ExTR11.0002/10](#)

[US/FMG/ExTR11.0002/11](#)

Quality Assessment Report:

[GB/SIR/QAR07.0014/10](#)



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**EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

**805501-a Gassonic Observer-H Acoustic Gas Leak Detector**

a = configuration 4 or 8

**805701-a Observer- i Acoustic Gas Leak Detector**

a = configuration 1, 2, 3 or 4

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

1. The Class A4-70, M6 x 1 x 20 bolts connecting the bulkhead flanges must be tightened at 9 Nm.
2. Consult the manufacturer if dimensional information on the flameproof joints is necessary.



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

Documentation and minor technical changes.