



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:  issue No.:  Certificate history:

Status:

Date of Issue: **2008-01-18** Page 1 of 3

Applicant: **General Monitors Ireland Limited**  
Ballybrit Business Park  
Galway  
Ireland

Electrical Apparatus: **Ultrasonic gas leak detector**  
Optional accessory:

Type of Protection: **Intrinsic safety**

Marking: **Ex ia IIC T4**

Approved for issue on behalf of the IECEx Certification Body: **UL International Demko A/S**

Position: **Certification Project Engineer**

Signature:  
(for printed version)

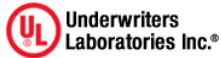
Date:

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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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**UL International DEMKO A/S**  
Lyskaer 8  
P O Box 514  
2730 Herlev  
Denmark





# IECEX Certificate of Conformity

Certificate No.: IECEX ULD 08.0001X

Date of Issue: **2008-01-18**

Issue No.: 0

Page 2 of 3

Manufacturer: **General Monitors Ireland Limited**  
Ballybrit Business Park  
Gateway  
**Ireland**

Manufacturing location(s):

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 electrical apparatus 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 : 2004** Electrical apparatus for explosive gas atmospheres - Part 0: General requirements  
Edition: 4.0

**IEC 60079-11 : 2006** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition: 5

*This Certificate **does not** indicate compliance with electrical 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:

[DK/ULD/ExTR08.0001/00](#)

Quality Assessment Report:

[GB/SIR/QAR07.0014/00](#)



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Page 3 of 3

## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The Gassonic Surveyor is an ultrasonic gas leak detector. It's designed to detect pressurized gas leaks by sensing the ultrasound characteristic for escaping pressurized gas. It consists of a stainless steel enclosure in two parts. The upper part is used for mounting and cable inlet. The lower part contains the electronics and the microphone. There are no variants to the type.

#### Temperature range

The ambient temperature range is -40 °C to +75 °C.

#### Electrical data

Intrinsically safe specifications:

Power, J1_1 & J1_2:	4-20 mA output J1_3 & J1-2:
Ui : 28 / 17.3 V	Uo : = Ui
Ii : 120 / 220 mA	Io : = Ii
Pi : 0.95 W	Po : = Pi
Li : 0.01 mH	Lo : 0.01 mH
Ci : 10 nF	Co : 22 nF

Relay, J1\_4 & J1\_5. input: Relay, J1\_4 & J1\_5, output data:

Ui : 28 / 17.3 V	Uo : 5.9 V
Ii : 120 / 220 mA	Io : = Ii
Pi : 0.95 W	Po : = Pi
Li : 0.01 mH	Lo : depends on barrier data
Ci : 22 nF	Co : depends on barrier data

### CONDITIONS OF CERTIFICATION: YES as shown below:

The Surveyor shall be installed in accordance with IEC60079-14 and -25 or corresponding local regulations. The Surveyor shall be supplied from a certified barrier/power supply.