



# 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.: IECEx UL 08.0001X

Issue No: 8

Certificate history:

Issue No. 8 (2017-06-29)

Issue No. 7 (2017-02-13)

Issue No. 6 (2016-09-28)

Issue No. 5 (2015-10-30)

Issue No. 4 (2013-08-28)

Issue No. 3 (2012-07-16)

Issue No. 2 (2011-10-20)

Issue No. 1 (2010-06-25)

Issue No. 0 (2008-02-19)

Status: **Current**

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Date of Issue: **2017-06-29**

Applicant: **BW Technologies by Honeywell**  
Suite 110  
4411 – 6 Street SE  
Calgary, Alberta, T2G 4E8  
**Canada**

Equipment: **Single Gas Monitors, GasAlert Extreme Series**

*Optional accessory:*

Type of Protection: **Intrinsic safety "ia"**

Marking:

Ex ia IIC T4 Ga

-40°C ≤ Tamb ≤ 50°C

*Approved for issue on behalf of the IECEx  
Certification Body:*

Erin LaRocco

*Position:*

Staff Engineer

*Signature:  
(for printed version)*

*Date:*

2017-06-29

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 LLC**  
333 Pfingsten Road  
Northbrook IL 60062-2096  
United States of America





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Manufacturer: **BW Technologies by Honeywell**  
Suite 110  
4411 – 6 Street SE  
Calgary, Alberta, T2G 4E8  
**Canada**

Additional Manufacturing location(s):

**Ademco de Juarez**  
Ave. Valle del Cedro 1681  
Parque Industrial Intermex  
Ciudad Juarez, Chih, 32574  
Mexico

**RAE Systems (Shanghai) INC.**  
No. 990 E. Huiwang Road  
JIADING DISTRICT  
Shanghai 201815  
Peoples Republic of  
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 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 : 2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0  
**IEC 60079-11 : 2011** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

*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:

[US/UL/ExTR08.0002/08](#)

Quality Assessment Report:

[NO/PRE/QAR16.0006/00](#)

[US/UL/QAR06.0006/10](#)

[US/UL/QAR07.0003/07](#)



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## Schedule

### EQUIPMENT:

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

The GasAlert Extreme Series are portable, battery-operated, single-gas monitors. They are intended for the detection of hydrogen sulfide, low methanol hydrogen sulphide, carbon monoxide (low hydrogen sensitivity), sulfur dioxide, chlorine, hydrogen cyanide, nitrogen dioxide, ammonia, high range ammonia, phosphine, oxygen depletion, ethylene oxide, nitric oxide, chlorine dioxide and ozone. The devices are powered by a self-contained battery and contain audible and visual alarms that are activated when conditions exceed preset limits. These devices are intended for use in an ambient temperature range of  $-40^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$  with a T4 temperature code.

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

The battery must be replaced in a non-hazardous location in accordance with the manufacturer's instructions. Only the Panasonic Part No. CR-2PE/BN 3V primary lithium cell may be used.



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

Issue 1: Alternate cell, motor and fuse; evaluation to EPL Ga.

Issue 2: Additional manufacturing location in United Kingdom added.

Issue 3: The manufacturer requested that the standards used be updated. Additionally, there were changes to the label, BOM and instructions.

Issue 4: The revisions to the device are minor and do not affect intrinsic safety.

Issue 5: Minor changes, update to latest editions of the standard and addition of an alternate manufacturing location.

Issue 6: The addition of a new manufacturing location.

Issue 7: Update documentation for company address change.

Issue 8: Minor revisions to label and manual. Clarification of ambient temperature range being independent of target gas.