



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

Certificate No.:

IECEx UL 08.0018

issue No.:3

Status:

Current

Date of Issue:

2013-08-28

Page 1 of 4

Certificate history:

Issue No. 3 (2013-8-28)
Issue No. 2 (2012-5-31)
Issue No. 1 (2012-3-9)
Issue No. 0 (2009-1-15)

Applicant:

BW Technologies by Honeywell
2840 2nd Avenue SE
Calgary, Alberta
T2A 7X9
Canada

Electrical Apparatus:
Optional accessory:

GasAlertClip Extreme Series Gas Monitor

Type of Protection:

Intrinsic Safety "ia"

Marking:

Ex ia IIC T4 Ga Tmin < Ta < +50°C (see Schedule for details)


Approved for issue on behalf of the IECEx
Certification Body:

Paul T. Kelly

Position:

Principal Engineer, Global Hazardous Locations

Signature:
(for printed version)


2013-08-28

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 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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Certificate No.: IECEx UL 08.0018

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Page 2 of 4

Manufacturer: **BW Technologies by Honeywell**
2840 2nd Avenue SE
Calgary, Alberta
T2A 7X9
Canada

Additional Manufacturing location
(s):

Honeywell Analytics Ltd. Hatch Pond House 4 Stinsford Road Nuffield Estate Poole, Dorset BH170RZ United Kingdom	Pittway Tecnologica S.r.l. Via Caboto 19/3 34147 Trieste Italy	System Sensor de Mexico Avenue Valle del Cedro 1681 Parque Industrial Intermex Ciudad Juarez, Chihuahua, Mexico 32574 Mexico
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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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition: 6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2006 Edition: 2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga

*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/ExTR08.0027/00
US/UL/ExTR08.0027/03

US/UL/ExTR08.0027/01

US/UL/ExTR08.0027/02

Quality Assessment Report:

GB/BAS/QAR06.0016/04
US/UL/QAR07.0003/04

GB/BAS/QAR07.0043/03

US/UL/QAR06.0006/07



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Certificate No.: IECEx UL 08.0018

Date of Issue: 2013-08-28

Issue No.: 3

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Series GasAlertClip Extreme are portable, disposable, battery-operated, single gas monitors. They are intended for the detection of hydrogen sulfide, carbon monoxide, sulfur dioxide and oxygen depletion. The devices contain audible and visual alarms that are activated when conditions exceed preset limits. The devices are intended for use in an ambient temperature range of $T_{min} < T_a < +50^{\circ}\text{C}$, where T_{min} is dependent on the target gas of the device as specified in the following table:

Model	Gas Monitored	Lower Temperature Limit, T_{min}
GA24XT-H	Hydrogen Sulfide (H_2S)	-40°C
GA36XT-H		
GA24XT-M	Carbon Monoxide (CO)	-30°C
GA36XT-M		
GA24XT-S	Sulfur Dioxide (SO_2)	-30°C
GA36XT-S		
GA24XT-X	Oxygen (O_2)	-20°C
GA36XT-X		

The letter "T" indicates version with optional internal vibrator. The largest ambient temperature range is -40°C to $+50^{\circ}\text{C}$.

CONDITIONS OF CERTIFICATION: NO



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Certificate No.: IECEx UL 08.0018

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Issue No.: 3

Page 4 of 4

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

Issue 1: The modifications to the device are different component parts for Q8, Q11 and U5; none of these components are necessary for safety purposes. The Bill of Materials has been changed to two documents from one. Manufacturing sites were added, requiring a new label. Additionally IP ratings were added to the label and the instructions.

Issue 2: Updating standards to IEC 60079-0 Edition 6 and IEC 60079-11 Edition 6 and addition of IP66 rating.

Issue 3: The revisions to the device are minor and do not affect intrinsic safety.