



# 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 14.0063 issue No.:0 Certificate history: \_\_\_\_\_

Status: **Current**

Date of Issue: **2014-12-29** Page 1 of 3

Applicant: **BW Technologies by Honeywell**  
2840 2nd Ave SE  
Calgary, AB T2A 7X9  
Canada

Electrical Apparatus: **Single Toxic Gas Monitor**  
Optional accessory:

Type of Protection: **Intrinsically Safe "ia"**

Marking: Ex ia IIC T4

Approved for issue on behalf of the IECEx  
Certification Body:

Paul T. Kelly

Position:

Principal Engineer, Global Hazardous Locations

Signature:  
(for printed version)

Date:

2014-12-29

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**  
2840 2nd Ave SE  
Calgary, AB T2A 7X9  
Canada

Additional 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:

<b>IEC 60079-0 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-11 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 60079-26 : 2006</b> 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/ExTR14.0095/00](#)

Quality Assessment Report:

[US/UL/QAR06.0006/07](#)



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## Schedule

### EQUIPMENT:

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

BW Clip model BWC followed by a number followed by R or blank, followed by -H, -M, -S, or -X.  
The BW Clip is a hand-held single gas monitor designed to continuously monitor one toxic gas. The unit samples the atmosphere in diffusion mode using one electrochemical sensor for one of four gases: CO, H<sub>2</sub>S, O<sub>2</sub> or SO<sub>2</sub>. Power is provided by one, non-user replaceable, 3.6V lithium-thionyl chloride or Lithium Manganese Dioxide primary cell. Readings are displayed on an LCD and the device has audible, visual, and vibrating alarms when set, user-configurable conditions are exceeded. The device has no facilities for connection of external electrical circuits.  
The ambient temperature ranges for the series are as follows:

Code	Gas Type	Description	Ambient Temperature Range
H	H <sub>2</sub> S	Hydrogen Sulfide	-40°C to +50°C
M	CO	Carbon Monoxide	-30°C to +50°C
S	SO <sub>2</sub>	Sulphur Dioxide	-30°C to +50°C
X	O <sub>2</sub>	Oxygen	-20°C to +50°C

### CONDITIONS OF CERTIFICATION: NO