



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 14.0063

Issue No: 5

Certificate history:

Status: **Current**

Issue No. 5 (2017-10-16)

Issue No. 4 (2017-02-28)

Date of Issue: **2017-10-16**

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Issue No. 3 (2016-06-27)

Issue No. 2 (2015-09-30)

Applicant: **BW Technologies by Honeywell**

Issue No. 1 (2015-06-12)

Issue No. 0 (2014-12-29)

Suite 110
4411 - 6th Street SE
Calgary, Alberta T2G 4E8
Canada

Equipment: **Single Gas Monitor, Model BWC Series**

Optional accessory:

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

Marking:

Ex ia IIC T4 Ga

-40°C to +50°C

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

Lucy Frieders

Position:

Staff Engineer

*Signature:
(for printed version)*

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

Additional Manufacturing location(s):

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

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/ExTR14.0095/05](#)

Quality Assessment Report:

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

[US/UL/QAR07.0003/08](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The BW Clip is a hand-held single gas monitor designed to continuously monitor one toxic gas or oxygen. The unit samples the atmosphere in diffusion mode using one electrochemical sensor for one of four gases: CO, H₂S, O₂, or SO₂. 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.

Model Nomenclature:

BW Clip model BWC, followed by a number, followed by R or blank, followed by -H, -M, -S, or -X.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: NO



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

Issue 1: Add manufacturing locations in Trieste, Italy and Juarez, Mexico.

Issue 2: Adding variation to instrument.

Issue 3: Updated ambient temperature range to -40°C to +50°C. Updates to the manual and label that does not affect safety and addition of alternate oxygen sensor for BW Clip.

Issue 4: Updated documentation for company address change.

Issue 5: Document revisions and removal of IEC 60079-26.

Annex:

[Annex to IECEX UL 14.0063 Issue 5.pdf](#)



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PARAMETERS RELATING TO THE SAFETY

Single 3.6 V lithium cell, non-user replaceable

MARKING

