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 CSA 05.0015	Issue No: 10	**Certificate history:**
			Issue No. 10 (2014-08-01)
Status:	**Current**	Page 1 of 4	Issue No. 9 (2014-02-28)
			Issue No. 8 (2013-09-24)
Date of Issue:	**2014-08-01**		Issue No. 7 (2012-06-13)
			Issue No. 6 (2010-11-25)
Applicant:	**BW Technologies by Honeywell**		Issue No. 5 (2010-01-12)
	2840 - 2nd Avenue S.E.		Issue No. 4 (2008-11-24)
	Calgary, Alberta		Issue No. 3 (2008-04-25)
	T2A 7X9		Issue No. 2 (2007-03-27)
	Canada		

Electrical Apparatus: **Portable Gas Detectors Gas Alert Micro Clip XT and XL**

Optional accessory:

Type of Protection: **Ex ia**

Marking:

Gas Alert Micro Clip XT: Ex ia IIC T4 Ga; Ta = -20 to +58°C

Gas Alert Micro Clip XL: Ex ia IIC T4 Ga; Ta = -20 to +50°C

Approved for issue on behalf of the IECEx
Certification Body: Dorin Stochitoiu

Position: Technical Advisor

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.

Certificate issued by:

CSA International
178 Rexdale Boulevard
Toronto, Ontario M9W IR3
Canada
and
1707 - 94th Street
Edmonton, AB T6N 1E6
Canada

CSA INTERNATIONAL

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Manufacturer:	**BW Technologies by Honeywell**
	2840 - 2nd Avenue S.E.
	Calgary, Alberta
	T2A 7X9
	Canada

Additional Manufacturing
location(s):

System Sensor de Mexico
Ave. Valle Del Cedro 1681
Parque Industrial Intermex
Cuidad Juarez, Chihuahua 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
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"

*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

IECEx ATR:	File Reference:
CA/CSA/ExTR06.0009/08	157918-2618345
CA/CSA/ExTR06.0009/09	157918-2687722
CA/CSA/ExTR06.0009/10	157918-2707158

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The gas detectors consist of a non metallic case, LCD display, single circuit board and push buttons with one or more internal gas sensing elements. The units are powered by a non user replaceable Lithium Polymer battery.

Gas Alert Micro Clip XT - Model MC2-XWHM-a-bb-cc Ambient range -20 ° C to +58 ° C with non user replaceable battery NARADA NL503759

Gas Alert Micro Clip XL-Model MCXL-XWHM-a-bb Ambient range -20 ° C to +50 ° C with non user replaceable battery NARADA NLP883759LT20

X = Indicates the Oxygen Sensor (0, X)

W = Indicates the Combustible Sensor (0, W)

H = Indicates the H_2S Sensor (0, H, H1-H5)

M = Indicates the Carbon Monoxide Sensor (0, M, M1-M5)

a = Custom parameter, not affecting I.S.

bb = Custom parameters, not affecting I.S.

cc = Custom parameters, not affecting I.S.

CONDITIONS OF CERTIFICATION: NO

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

Issue 2 – this Issue introduced the following changes:

1	Revisions to Model Code:
2	Minor circuit layout changes; Covered under updated ExTR, CA/CSA/05/TR157918-1773164(1730357), Registered as CA/CSA/ExTR06.009/00
3	Original QAR; ULQAR04.04NK10378 (Issued 2004-04-07) Updated QAR: ULQAR05.05NK21013 (Issued 2005-08-25)[US/UL/QAR06.0006/01) CA.CSA/ExTR06.0009/02
4	Addition of Varta PLF 503759 D battery as alternate.

Issue 3 – this Issue introduced the following change:

1	Update to include alternate manufacturing location.

Issue 4 – this Issue introduced the following change:

1	Addition of a new battery BYD Type SL503759

Issue 5 – this Issue introduced the following changes:

1	Update to include new vibrator motor.
	Updated to IEC 60079-0 Ed 4 and IEC 60079-11 Ed 5

Issue 6 – this Issue introduced the following changes:

1	Update to include new battery (Narada NL503759). .
2	Update to add an alternate O2 sensor which results in a new Model (Gas Alert Micro Clip XT) due to circuitry changes

Issue 7 -This Issue introduced the following changes

1	Update to the latest versions of IEC 60079-0 (2011) and IEC 60079-11 (2011). Related: CA/CSA/ExTR06.0009/09; US/UL/QAR06.0006/05; US/UL/QAR07.0003/02

Issue 8 - This Issue introduced the following changes

1	Update to cover revised firmware; US/UL/QAR06.0006/07; US/UL/QAR07.0003/04

Issue 9 - This Issue introduced the following changes

1	Removing model GasAlertMicroClip MC-XWHM-a-bb-cc; Lithium Polymer batteries Varta PLF 503759, D, C ,BYD SL 503759 ;Updating label and manual; Revising some drawings version to reflect some component changes US/UL/QAR06.0006/07; US/UL/QAR07.0003/04

Issue 10 - This Issue introduced the following changes

1	Adding model GasAlertMicroClip XL; MCXL-XWHM-a-bb a Multi-gas detectors for monitoring up to four gases i.e. Oxygen, Combustibles, Carbon Monoxide and Hydrogen sulphide.