



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 07.0012	Issue No: 6	<u>Certificate history:</u> Issue No. 6 (2015-06-19) Issue No. 5 (2015-04-30) Issue No. 4 (2014-03-24) Issue No. 3 (2013-12-04) Issue No. 2 (2012-09-28) Issue No. 1 (2010-04-26) Issue No. 0 (2008-01-10)
Status:	Current	Page 1 of 5	
Date of Issue:	2015-06-19		
Applicant:	BW Technologies by Honeywell 2840 - 2nd Ave SE Calgary, Alberta T2A 7X9 Canada		
Electrical Apparatus:	Gas Alert Max XT II and Gas Alert Max XT Portable Gas Detectors (Model XT-XWHM)		
Optional accessory:			
Type of Protection:	Ex ia		
Marking:	Ex ia IIC T4 Ga; -20°C ≤ Ta ≤ +50°C; IP66 / IP67		

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](http://www.iecex.com).

Certificate issued by:



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CSA Group
178 Rexdale Boulevard
Toronto, Ontario M9W 1R3
Canada
and
1707 - 94th Street
Edmonton, AB T6N 1E6
and
8503 East Pleasant Valley Road,
Independence, Ohio, USA
44131-5516
Canada





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

Additional Manufacturing
location(s):

Honeywell Analytics Ltd.
Hatch Pond House
4 Stinsford Rd.
Nuffield Industrial Estate
Poole, Dorset BH17 0RZ
United Kingdom

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:

[CA/CSA/ExTR07.0018/00](#) [CA/CSA/ExTR07.0018/01](#) [CA/CSA/ExTR07.0018/02](#)
[CA/CSA/ExTR07.0018/03](#) [CA/CSA/ExTR07.0018/04](#) [CA/CSA/ExTR07.0018/05](#)
[CA/CSA/ExTR07.0018/06](#)

Quality Assessment Report:

[GB/SIR/QAR11.0027/02](#) [US/UL/QAR06.0006/07](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Gas Alert Max XT II and Gas Alert Max XT are an intrinsically Safe, portable multi-gas detectors for monitoring up to 4 gasses simultaneously and continuously: oxygen, combustibles, carbon monoxide and hydrogen sulphide. A 4.2V Lithium Polymer battery pack powers the detector.

The Model code breakdown is as follows: XT -XWHM-...

X = Oxygen Sensor (0 or X)

W = Combustible Sensor (0 or W)

H = Hydrogen Sulfide Sensor (0, H or H1-H5)

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

CONDITIONS OF CERTIFICATION: NO



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

Issue 1: Update to include new O2 sensor and new product name Gas Alert Max XT II

Issue 2: Update to include new firmware revision, FIR resolution, IP66/IP67 tests, addition of Poole Facility and documentation updates that do not affect the safety of the equipment.

Issue 3: Update to include alternative O2 sensor AAY80-390-BW KANBAN, Pump motor T5-LI03-101(T5-SPR-516A), and IRF7425TRPBF.

Issue 4: Update to include firmware 9.000 to 10.000 and revise the related BOM based on it. No changes to safety of the equipment.

Issue 5: Update to include firmware from revision 10.000 to revision 11.000 and include revised descriptive documents. No changes to the safety of the equipment. Issue 6: Update to include the Real Time Clock Chip was updated by the chip manufacturer and the pump motor used for the Gas Alert Max XT II has been modified to extend the life of the motor.

