



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 09.0006	Issue No: 5	<u>Certificate history:</u>
Status:	Current	Page 1 of 4	Issue No. 5 (2014-01-16)
Date of Issue:	2014-01-16		Issue No. 4 (2013-09-06)
Applicant:	BW Technologies by Honeywell 2840 - 2nd Ave S.E. Calgary, AB T2A 7X9 Canada		Issue No. 3 (2011-11-03)
Electrical Apparatus:	GasAlertQuattro Portable Gas Detector		Issue No. 2 (2010-02-11)
<i>Optional accessory:</i>			Issue No. 1 (2009-12-02)
Type of Protection:	Ex ia		Issue No. 0 (2009-08-24)
Marking:	Ex ia IIC T4 or T135.3°C; -20°C ≤ Ta ≤ +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](http://www.iecex.com).

Certificate issued by:

CSA International
178 Rexdale Boulevard
Toronto, Ontario M9W 1R3
Canada
and
1707 - 94th Street
Edmonton, AB T6N 1E6
Canada





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Manufacturer: **BW Technologies by Honeywell**
2840 - 2nd Ave SE
Calgary, AB 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/ExTR09.0007/00](#) [CA/CSA/ExTR09.0007/01](#) [CA/CSA/ExTR09.0007/02](#)
[CA/CSA/ExTR09.0007/03](#) [CA/CSA/ExTR09.0007/04](#) [CA/CSA/ExTR09.0007/05](#)

Quality Assessment Report:

[GB/BAS/QAR07.0043/03](#) [US/UL/QAR06.0006/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Gas Alert Quattro is an intrinsically Safe, portable multi-gas detector for monitoring up to 4 gasses simultaneously and continuously: oxygen [deficiency], combustibles, carbon monoxide and hydrogen sulfide. A 4.2V Lithium Polymer battery pack or 3-Cell "AA" Alkaline pack powers the detector. Approved Alkaline cells are the Duracell MN1500 and Energizer E91VP. The Gas Alert Quattro has been designed to meet the Intrinsically Safe (ia) requirements. The Quattro contains YheTa flameproof sensor (d) which has been previously approved. KNC – Model KGS 701 – TPS 05 ATEX 1 137 U – EEx d IIC T6 City Technology Limited – 4P Series – SIRA 01 ATEX 1205X – EEx d IIC T6 The sensors have been evaluated as fully Intrinsically Safe under this application and therefore the overall product marking is Ex ia. The temperature code rating is dependant upon the type of batteries installed and is a worst case value of 135.3°C for Alkaline Types. The temperature code is T4 when an encapsulated Lithium Polymer battery pack is used. The overall ambient temperature range for the equipment is –20 to +50°C

The Model code breakdown is as follows: QT-XWHM-A-Y-***

X	=	Indicates the Oxygen Sensor
W	=	Indicates the Combustible Sensor
H	=	Indicates the Hydrogen Sulfide Sensor
M	=	Indicates the Carbon Monoxide Sensor
A	=	Battery Option
Y	=	Color Option
*	=	Custom Parameter, non effecting I.S

CONDITIONS OF CERTIFICATION: NO



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

Revision 01 - Update to include revised drawings and minor circuit revisions

Revision 02 - Update to include alternate components

Revision 03 - Update to include latest standard versions and alternate manufacturing facility.

Revision 04 - Update to cover revised firmware.

Revision 05 - Update to include alternate microcontroller and replacements of obsolete components.