IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx CSA 09.0006**	Page 1 of 4	
Status:	**Current**	Issue No: 9	Issue 8 (2019-01-08)
			Issue 7 (2016-07-18)
Date of Issue:	2019-11-06		Issue 6 (2015-09-11)
			Issue 5 (2014-01-16)
			Issue 4 (2013-09-06)
Applicant:	**BW Technologies by Honeywell**		Issue 3 (2011-11-03)
	Suite 110, 411 – 6th Street S.E., Calgary, Alberta T2G 4E8		Issue 2 (2010-02-11)
	Canada		Issue 1 (2009-12-02)
			Issue 0 (2009-08-24)

Equipment: **GasAlertQuattro Portable Gas Detector**

Optional accessory:

Type of Protection: **Ex da ia**

Marking:
Ex da ia IIC T4 or T135.3°C Ga
-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 www.iecex.com or use of this QR Code.

Certificate issued by:

CSA Group
178 Rexdale Boulevard
Toronto, Ontario M9W IR3
Canada

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Manufacturer: **Ademco De Juarez**
Ave. Valle del Cedro 1681 Parque Industrial Intermex, Ciudad Juarez, Chihuahua, Mexico 32574
Mexico

Additional manufacturing locations:

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

BW Technologies by Honeywell
Suite 110, 411 – 6th Street S.E., Calgary,
Alberta T2G 4E8
Canada

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 equipment 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 60079-1:2014-06
Edition:7.0

Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

IEC 60079-11:2011
Edition:6.0

Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

IEC 60079-26:2014-10
Edition:3.0

Explosive atmospheres – Part 26: Equipment with Equipment Protection Level (EPL) Ga

This Certificate **does not** indicate compliance with 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 Reports:

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
CA/CSA/ExTR09.0007/06	CA/CSA/ExTR09.0007/07	CA/CSA/ExTR09.0007/08

Quality Assessment Reports:

GB/SIR/QAR11.0027/06   US/UL/QAR07.0003/11

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The GasAlertQuattro is an intrinsically safe, portable multi-gas detector for monitoring up to 4 gasses simultaneously and continuously: oxygen [deficiency/enrichment], combustibles, carbon monoxide and hydrogen sulfide. A 4.2 V lithium polymer battery pack or 3-cell "AA" alkaline pack powers the detector. Approved alkaline cells are the Duracell MN1500 and Energizer E91VP. The GasAlertQuattro has been designed to meet the intrinsically safe (ia) requirements. The GasAlertQuattro contains a flameproof sensor (da) which has been previously approved: City Technology Limited – 4P Series; SIRA 01 ATEX 1205X, IECEx SIR 04.0013X – Ex da IIC T6.   The sensors have been evaluated as fully intrinsically safe under this application and therefore the overall product marking is Ex da ia. The temperature code rating is dependent 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 of the equipment is -20°C 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, not affecting certification

SPECIFIC CONDITIONS OF USE: NO

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 01 - Update to include revised drawings and minor circuit revisions.

Issue 02 - Update to include alternate components.

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

Issue 04 - Update to cover revised firmware.

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

Issue 06 - Update to add manufacturing location Juarez, Mexico (US/UL/QAR07.0003/05) and update Poole location QAR (GB/SIR/QAR11.0027/03).

Issue 07 - Update to include the new Ex da rating as appropriate, and to update the referenced QAR edition for System Sensor de Mexico (US/UL/QAR07.0003/07).

Issue 08 - Update to include alternate battery Future Power Model FT704050P-1S2PAA/2500mAh. Update related drawings to include WEEE logo, "Made in Mexico" string and update layout. Update to remove unnecessary potting on charger fuse F1 for LiPo battery pack potting drawing. Update to remove reference to unused combustible sensor for Main/Sensor board schematic and update to include new QAR for Juarez, Mexico (US/UL/QAR07.0003/09) and Poole, UK (GB/SIR/QAR11.0027/05).

Issue 09 - Update to include IEC 60079-26:2014 Edition 3. No changes to equipment.