


		<h2 style="text-align: center;">IECEx Certificate of Conformity</h2>			
INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres <small>for rules and details of the IECEx Scheme visit www.iecex.com</small>					
Certificate No.:	IECEx CSA 06.0011X	issue No.:	8		
Status:	Current	Certificate history: Issue No. 8 (2013-7-18) Issue No. 7 (2013-2-5) Issue No. 6 (2012-5-24) Issue No. 5 (2011-11-21) Issue No. 4 (2009-5-5) Issue No. 3 (2008-2-15) Issue No. 2 (2007-11-15) Issue No. 1 (2007-2-12)			
Date of Issue:	2013-07-18	Page 1 of 4			
Applicant:	BW Technologies by Honeywell 2840 - 2nd Ave S.E. Calgary, Alberta T2A 7X9 Canada				
Electrical Apparatus:	M5-XWT1T2-R-P-D-A-B-CC, M5PID-XWT1T2-R-P-D-A-B-CC, M5IR-XWT1T2 -R-P-D-A-B-CC Optional accessory:				
Type of Protection:	Ex ia; Ex d ia				
Marking:	- Ex d ia IIC (M5IR) - Ex ia IIC (M5 and M5PID) - Temperature Code: Duracell MN1500 = T-Code T4; Energizer E91 = T-Code 135.3°C; Lithium Polymer Rechargeable Battery pack "M5-BAT08" or "M5-BAT08B"; T-Code T4; Ambient Range -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: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> CSA International 178 Rexdale Boulevard Toronto, Ontario M9W 1R3 Canada and 1707 - 94th Street Edmonton, AB T6N 1E6 Canada </td> <td style="width: 50%; text-align: center; vertical-align: middle;">  </td> </tr> </table>				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 S.E.
 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 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
 Edition: 6
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/ExTR07.0001/00	CA/CSA/ExTR07.0001/02	CA/CSA/ExTR08.0001/00
CA/CSA/ExTR08.0001/02	CA/CSA/ExTR08.0001/03	CA/CSA/ExTR08.0001/04
CA/CSA/ExTR08.0001/05	CA/CSA/ExTR08.0001/06	

Quality Assessment Report:

GB/BAS/QAR07.0043/03

US/UL/QAR06.0006/06

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Schedule			
EQUIPMENT:			
<i>Equipment and systems covered by this certificate are as follows:</i>			
M5-XWT ₁ T ₂ -R-P-D-A-B-CC; M5PID-XWT ₁ T ₂ -R-P-D-A-B-CC; M5IR-XWT ₁ T ₂ -R-P-D-A-B-CC			
X	=	Indicates the Oxygen Sensor	
W	=	Indicates the Combustible Sensor	
T ₁	=	Indicates the Interchangeable Toxic Sensor (1 st Sensor)	
T ₂	=	Indicates the Interchangeable Toxic Sensor (2 nd Sensor)	
R	=	Battery Option	
P	=	Sampling Method	
D	=	Datalogging Capability	
A	=	Custom parameters, non effecting I.S.	
B	=	Custom parameters, non effecting I.S.	
CC	=	Custom parameters, non effecting I.S.	
CONDITIONS OF CERTIFICATION: YES as shown below:			
<ul style="list-style-type: none"> - Warning: Batteries must only be changed in Non-Hazardous Area (For Alkaline battery equipped models) - Use approved 1.5V AA Batteries only. See Manual for approved listing. (For Alkaline battery equipped models) - WARNING: For use with GasAlertMicro 5 instruments ONLY. Battery must only be charged in a non-hazardous area. (For Lithium Polymer Rechargeable Battery pack "M5-BAT08" or "M5-BAT08B" equipped models) 			



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

Issue 1 - update to add new piezo buzzer, EEPROM change and alternate memory cards
Issue 2 - update to add lithium polymer battery pack
Issue 3 - minor circuit changes plus addition of PID and electrochemical sensors.
Issue 4 - update to revise temperature code ratings based on battery testing in a 50°C ambient
Issue 5 - update to revise pump motor, revision to main board layout and add alternate manufacturing location
Issue 6 - update to correct label / user manual marking information and revise sensor cover to enlarge the diameter of one hole.
Issue 7 - update to correct the Narada Lithium Battery part number from NL704060F0 to NLC704050LT20-2P. This was documented incorrectly in the ExTR.
Issue 8 - Update of report to change to LCD module and associated power circuit.