



Certificate of Compliance

Certificate: 1730355

Master Contract: 157918

Project: 70024685

Date Issued: April 05, 2015

Issued to: BW Technologies by Honeywell
2840 2nd Ave SE
Calgary, Alberta T2A 7X9
CANADA
Attention: Stephen Uliasz

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: Gary Benden
Gary Benden

PRODUCTS

- 4828 01 - SIGNAL APPLIANCES - Combustible Gas Detection Instruments - For Hazardous Locations
- 4828 02 - SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For Hazardous Locations
- 4828 81 - SIGNAL APPLIANCES - Combustible Gas Detection Instruments - For Hazardous Locations - Certified to U.S. Standards
- 4828 82 - SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For Hazardous Locations - Certified to U.S. Standards

Class I, Division 1; Groups A, B, C and/or D; T4

GasAlertMicroClip XT Portable Gas Detector, MC2-XWHM-a-bb-cc Temperature Code T4 @ $-20^{\circ}\text{C} \leq T_a \leq +58^{\circ}\text{C}$; Multi-gas detectors for monitoring up to four gasses simultaneously and continuously i.e. Oxygen [deficiency/enrichment], Combustibles, Carbon Monoxide and Hydrogen sulphide ; Intrinsically Safe when powered by a non user replaceable Narada Lithium Polymer battery Part Number: NL503759.

GasAlertMicroClip XL Portable Gas Detector, MCXL-XWHM-a-bb Temperature Code T4 @ $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$; Multi-gas detectors for monitoring up to four gasses simultaneously and continuously i.e. Oxygen [deficiency/enrichment], Combustibles, Carbon Monoxide and Hydrogen sulphide ; Intrinsically Safe when powered by a non user replaceable Narada Lithium Polymer battery Part Number: NLP883759LT20.



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GasAlertMicroClip X3 Portable Gas Detector, MCX3-XWHM-a-bb Temperature Code T4 @ $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$; Multi-gas detectors for monitoring up to four gasses simultaneously and continuously i.e. Oxygen [deficiency/enrichment], Combustibles, Carbon Monoxide and Hydrogen sulphide ; Intrinsically Safe when powered by a non user replaceable Narada Lithium Polymer battery Part Number: NLP883759LT20.

APPLICABLE REQUIREMENTS

CSA Standard C22.2 No. 0-2010	General Requirements Canadian Electrical Code Part II.
CSA Standard C22.2 No. 152-M1984	Combustible Gas Detection Instruments
CSA Standard C22.2 No. 157-92	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
UL Standard 913, Seventh Edition	Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III, Division 1, Hazardous (Classified) Locations
ANSI/ISA-12.13.01-2000	Performance Requirements for Combustible Gas Detectors

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

Marking On Main Unit:

- (1) Submitter's name, trademark, or the CSA file number (adjacent the CSA Mark).
- (2) Catalogue / Model designation.
- (3) Date code / Serial number traceable to month and year of manufacture.
- (4) Hazardous Location designations, Class I, Division 1; Groups A, B, C and/or D; T4 (May be abbreviated Cl. I Gr. A, B, C, D T4).
- (5) The symbol "Exia" and the words "Intrinsically Safe", and "Sécurité Intrinsèque".
- (6) "Read and understand manual" and "Lire et comprendre le manuel".
- (7) C22.2 No 152, S12.13.
- (8) The CSA Mark with or without the "c" and/or "us" qualifiers.
- (9) Temperature Code Rating, T4.
- (10) Ambient Temperature Range $-20^{\circ}\text{C} \leq T_a \leq +58^{\circ}\text{C}$, or $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$, as applicable.
- (11) Optional Hazardous Location designations, **Class I, Zone 0, IIC**.
- (12) WARNING: Battery must be charged in a non-hazardous area and may only be replaced by the manufacturer. (May be in user manual).
- (13) WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY. (May be in User Manual).



Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
70024685	Apr 5 2015	Update of Report 1730355 to include addition of a new model GasAlertMicroClip X3 and additionally include a crystal component change to the GasAlertMicroClip XT/XL.
70018883	Feb 27 2015	Update to Report 1730355 to include firmware change for models GasAlertMicroClip XT and XL.
2710384	Jul 21 2014	Update to report 1730355 to add new model GasAlertMicroClip XL; MCXL-XWHM-a-bb; Temperature Code T4 @ -20°C # Ta # +50°C; Powered by Part Number: NLP883759LT20.
2689722	Feb 28 2014	Update report to cover removing GasAlertMicroClip, Lithium Polymer batteries (Varta PLF 503759, PLF 503759D, PLF 503759C, BYD SL 503759), Micropel 40-CITY TECHNOLOGY; revising drawings to include fuse, resistors and transistors changes.
2618343	Jul 25 2013	HAZ 130139: Update to Report1730355 to cover revised firmware (rev. 40F).
2451746	Aug 31 2011	Update report 1730355 to add test confirmation for revised internal low battery alarm operating parameter.
2305825	Dec 15 2010	Update to report 1730355 to include new battery and alternate O2 sensor which results in the creation of the Gas Alert Micro Clip XT.
2249935	Jan 12 2010	Update to Report 1730355 to include alternate vibrator motor.
2102246	Nov 28 2008	Update to report 173055 to add new battery.
2033112	May 1 2008	Update of report 1730355 to allow the product to be built at BWT Calgary and at Systems Sensor de Mexico in Juarez.
1888493	Mar 22 2007	Update to Report 1730355 to include new battery
1816037	Oct 6 2006	Update to Report 1730355 to include brown out chip, MicroPel 75 sensor and new battery (includes performance testing).
1773170	Apr 21 2006	Update to report 1730355 to correct order number, upgrade firmware and add alternate components
1730355	Dec 8 2005	GasAlertMicroClip Portable Gas Detector for use in Hazardous Locations