



## ***Confirmation of Product Type Approval 07/SEP/2010***

Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product.

This is to certify that, pursuant to the Rules of the American Bureau of Shipping (ABS), the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) with expiration date of 14/APR/2013. The continued validity of the Manufacturing Assessment is dependent on completion of satisfactory audits as required by the ABS Rules.

And; a Product Design Assessment (PDA) valid until 30/AUG/2015 subject to continued compliance with the Rules or standards used in the evaluation of the product.

The above entitle the product to be called Product Type Approved.

The Product Design Assessment is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

### **BW TECHNOLOGIES BY HONEYWELL**

**Model Name(s): Gas Alert MaxXTII Portable Gas Detector Model XT-XWHM-\*\*\***

**Presented to:**

BW TECHNOLOGIES BY HONEYWELL  
2840 2ND AVENUE S.E.  
CALGARY  
Canada

<b>Intended Service:</b>	Marine & Offshore Applications - Portable Multi Gas Detector
<b>Description:</b>	The Gas Alert Max XT II is an intrinsically safe, portable multi-gas detector for monitoring up to 4 gases simultaneously and continuously: Oxygen (deficiency/enrichment), combustibles, carbon monoxide and hydrogen sulfide,
<b>Ratings:</b>	Ambient Temperature Range: -4 °F to +122 °F ( -20 °C to +50 °C); Intrinsically safe; Class I, Division 1, Groups A, B, C & D; KEMA: II 1 G Ex ia IIC T4 Ga; IEC: Ex ia IIC T4; See attached "pdf" Specifications for Ratings, Certifications, Options, Alarms, Gases Detection, etc.
<b>Service Restrictions:</b>	Unit Certification is not required for this product.
<b>Comments:</b>	Intrinsically Safe when powered by Lithium Polymer battery pack as per Certificates.
<b>Notes / Documentation:</b>	This Product Design Assessment (PDA) is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product. Use in a non-classed vessel, MODU, Facility or other application is to be to the satisfaction of the manufacturer and purchaser.
<b>Term of Validity:</b>	This product/model is covered under Product Design Assessment (PDA) Certificate # 10-HS622522-PDA, dated 31/Aug/2010. This PDA Certificate remains valid until 30/Aug/2015 or until the Rules or specifications used in the assessment are revised (whichever occurs first).
<b>ABS Rules:</b>	2010 Steel Vessels Rules 1-1-4/7.7, 4-8-3/13, 4-8-4/27, 5-1-7/ 17.7, 5-1-7/31 &

5-1-7/Table 1; 1-1-Appendix 3

**National Standards:** CSA Certificate: 1985673 (80259) dtd 2010/04/27 (Intrinsically Safe when powered by Lithium Polymer battery pack P/N: MX-BAT01)

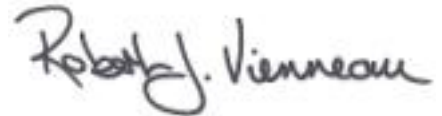
**International Standards:** IECEx Certificate of Conformity: IECEx CSA 07.0012 dtd 2010/04/26 EC- Type Examination Certificate No: KEMA 08ATEX0001 dtd 2010/06/04(Lithium Polymer battery pack P/N: MXTD081 .

**Government Authority:**

**EUMED:**

**Others:**

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	10-HS622522-PDA	31/AUG/2010	30/AUG/2015



ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.