



Certificate of Type Approval (RQS)

This is to certify that BW Technologies
has met the requirements of ABS Product Type Approval for
Gas Detectors

Model Name(s): GASALERT EXTREME SERIES: GAXT-H (H₂S), GAXT-S (SO₂),
GAXT-D (NO₂), GAXT-E (ETO), GAXT-N (NO), GAXT-M (CO), GAXT-C (Cl₂),
GAXT-A (NH₃), GAXT-V (ClO₂), GAXT-X (O₂), GAXT-Z (HCN), GAXT-P (PH₃),
GAXT-G (O₃).

Presented to:

BW Technologies
2840 - 2nd Avenue S.E.
Calgary
Alberta T2A 7X9
Canada

Intended Service:	Single gas detector, intrinsically safe for use in Class 1, Division 1 Groups A, B, C and D.
Description:	Portable, disposable battery operated, single gas detector, intrinsically safe for use in Class 1, Division 1 Groups A, B, C and D toxic gas and oxygen depletion monitors with audible and visual alarms.
Ratings:	Operating Temperature: H ₂ S, SO ₂ & HCN: -40 deg. C to +50 deg. C (-40 deg. F to +122 deg. F) CO: -30 deg. C to +50 deg. C (-22 deg. F to +122 deg. F) Other Gases: -20 deg. C to +50 deg. C (-4 deg. F to +122 deg. F) Operating Humidity: CO, H ₂ S, SO ₂ , Cl ₂ , HCN, NO ₂ , NH ₃ , PH ₃ , ETO, NO, O ₃ : 15% to 90% Cl ₂ : 10% to 95% ClO ₂ : 15% to 95% O ₂ : 0% to 99% Operating Voltage: One 3.6V Lithium battery, replaceable IECEx: Ex ia IIC T4; Rugged, IP-66/67 highly water-resistant design For detail specification see attached "pdf" file
Service Restrictions:	Unit Certification is not required for this product.
Comments:	To be used in accordance with user manual D5561/4, iEPR: 117000.
Notes / Documentation:	
Term of Validity:	This product/model is covered under Product Design Assessment (PDA) Certificate # 05-HS486614-PDA, dated 28/Feb/2005. This PDA Certificate expires Feb of 2010. It will remain valid for the 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).
ABS Rules:	2005 Steel Vessel Rules 1-1-4/7.7
National Standards:	UL 20040910-E131021 dated 10 September 2004. Certificate for use in Class 1, Division 1 Group A, B, C & D ANSI UL 913.
International Standards:	IECEX Certificate of Conformity # IECEx UL 04.0003 dated 21 December 2004. IEC 60079-0 and IEC 60079-11. EEX Ia IICCE 0539 Ex II 1 G DEMCO 04 ATEX 03 36363 IECEX. EC-Type Examination Certificate # DEMKO 04 ATEX 0336363 dated 28 December 2004
Government Authority:	

EUMED:

Others:



Manager, 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.