

[1]

EC-TYPE EXAMINATION CERTIFICATE

[2]

Equipment or Protective System intended for use  
in Potentially Explosive Atmospheres  
Directive 94/9/EC



[3] EC-Type Examination Certificate Number: DEMKO 04 ATEX 0336363

[4]

Equipment or Protective System: GasAlert Extreme Series  
Models GAXT-H, GAXT-H2, GAXT-M, GAXT-M2, GAXT-S, GAXT-C, GAXT-Z, GAXT-D, GAXT-A, GAXT-A2, GAXT-P, GAXT-X, GAXT-E, GAXT-N, GAXT-V, GAXT-G

[5]

Manufacturer: BW Technologies  
Address: 2840-2<sup>nd</sup> Ave SE

[6]

Calgary, Alberta  
Canada T2A 7X9

[7]

This equipment or protective system and any acceptable variation there to is specified in the schedule to this certificate and the documents therein referred to.

[8]

UL International Demko A/S, notified body number 0539 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. 0336363

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014: 1997 E incl. A1+A2

EN 50020:2002

EN 50284:1999

[10]

If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

[11]

This EC-Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by the certificate.

[12]

The marking of the equipment or protective system shall include the following:

Ex II 1G EEx ia IIC T4

On behalf of UL International Demko A/S

Herlev, 2005-07-05

Karina Christiansen  
Certification Manager

**UL International Demko A/S**

Lyskaer 8, P.O. Box 514  
DK-2730, Herlev, Denmark  
Telephone: +45 44856565  
Fax: +45 44856500

Certificate: 04 ATEX 0336363

This certificate may only be reproduced in its  
entirety and without any change, schedule included



A Subsidiary of  
**Underwriters Laboratories Inc.®**

[13]

## Schedule

[14]

### EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 04 ATEX 0336363

[15]

#### Description of Component:

The GasAlert Extreme Series are portable, disposable, battery operated, single gas monitors. They are intended for the detection of hydrogen sulfide, low methanol hydrogen sulphide, carbon monoxide, carbon monoxide (low Hydrogen sensitivity), sulfur dioxide, chlorine, hydrogen cyanide, nitrogen dioxide, ammonia, high range ammonia, phosphine, oxygen depletion, ethylene oxide, nitric oxide, chlorine dioxide and ozone. The devices contain audible and visual alarms that are activated when conditions exceed preset limits

Temperature range

Ambient temperature range	Temperature class
-40°C to +50 °C	T4

#### Electrical data

One 3.6V lithium battery, replaceable

[16]

#### Report No.:

Project Report No.: 0336363 (Hazardous Location Testing)

Project Report No.: 0415696

Project Report No.: 0429219

Project Report No.: 0510116

Drawings:

Number	Date/Rev	Description
GXUD-061	2003-10-17	GasAlert Extreme Enclosure
GXUD-065	2004-12-20/5	GasAlert Extreme Assembly Material Details
GXYW-01C.SCH	2005-3-31/C	GasAlert Extreme Project File
GXYW-10C.SCH	2005-03-31/C	Analog Circuitry
GXYW-20C.SCH	2005-03-21/C	Central Processor & Peripheral Circuitry
GXYW-30C.SCH	2005-03-31/C	Alarm Drive Circuitry
GXYE-01B.PCB	2004-05-25	Component/Trace Layout
GXUD-084	2004-03-23/4	GasAlert Extreme Fuse Encapsulation
GasAlert Extreme	115292	Parts List
GXUA-04E	2005-03-15/E	GasAlert Extreme Label
D5562/4	2005	Instruction Sheet

[17]

#### Special conditions for safe use:

None

[18]

#### Essential Health and Safety Requirements

Concerning ESR this Schedule verifies compliance with the Ex standards only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

**UL International Demko A/S**

Lyskaer 8, P.O. Box 514  
DK-2730, Herlev, Denmark  
Telephone: +45 44856565  
Fax: +45 44856500

Certificate: 04 ATEX 0336363  
Report: 0510116



A Subsidiary of  
**Underwriters  
Laboratories Inc.**

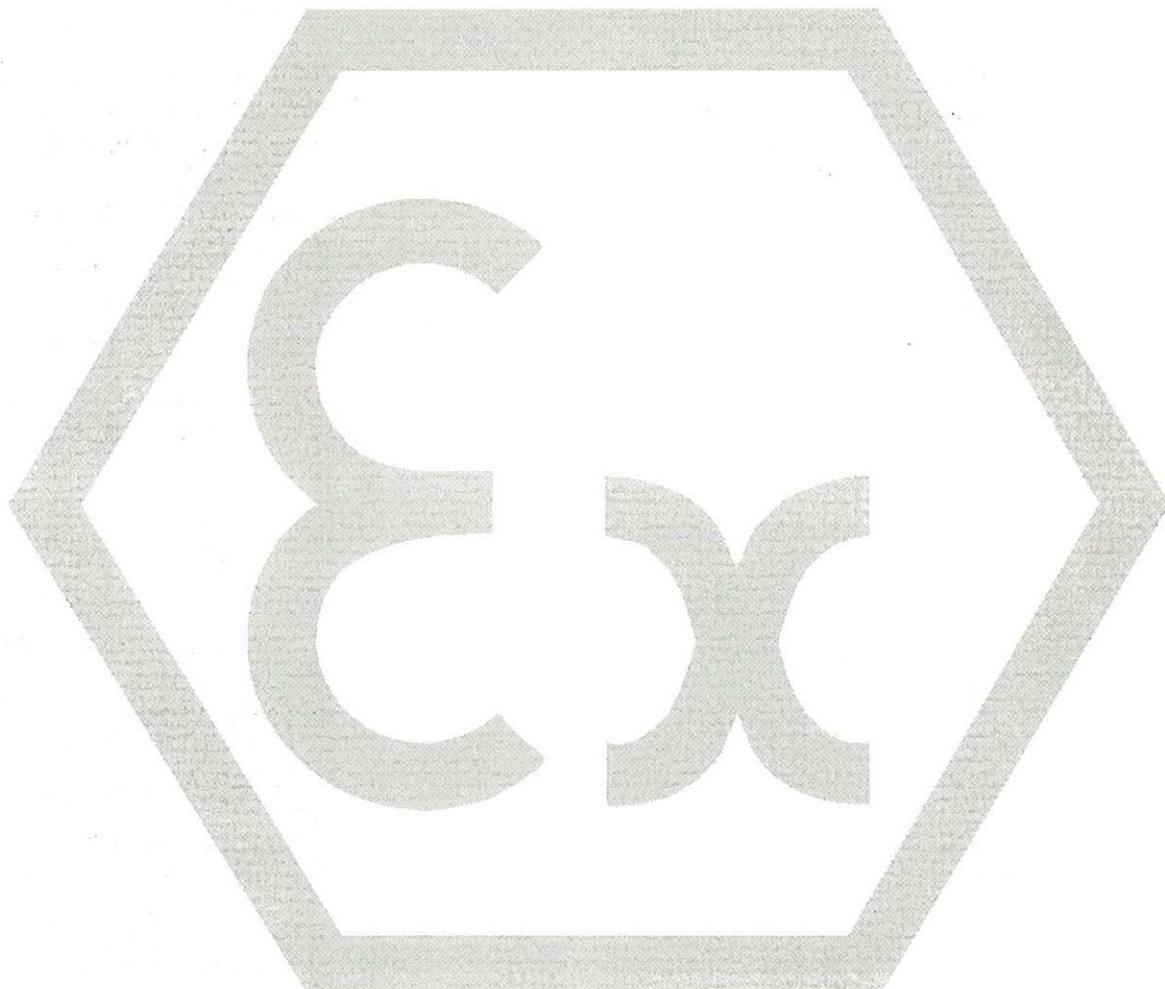
This certificate may only be reproduced in its

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.

On behalf of UL International Demko A/S

Herlev, 2005.07.05

Karina Christiansen  
Certification Manager



**UL International Demko A/S**

Lyskaer 8, P.O. Box 514  
DK-2730, Herlev, Denmark  
Telephone: +45 44856565  
Fax: +45 44856500

Certificate: 04 ATEX 0336363

Report: 0510116

This certificate may only be reproduced in its



A Subsidiary of  
**Underwriters  
Laboratories Inc.**®

3/3