



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx UL 04.0006** Issue No.: **2**

Status: **Current**

Date of Issue: **2004-09-03** Page 1 of 4

Applicant: **BW Technologies**
2840 2nd Avenue SE
Calgary, Alberta
T2A 7X9
Canada

Electrical Apparatus: **GasAlertClip Extreme Series Gas Monitor**
Optional accessory:

Type of Protection: **Ex ia IIC T4**

Marking: **IECEx UL 04.0006**
Ex ia IIC T4
-40C < Tamb < +50C


Approved for issue on behalf of the IECEx
Certification Body:

Kerry McManama

Position:

General Manager

Signature:
(for printed version)


2005-1-25

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:

Underwriters Laboratories Inc
(UL)

333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **BW Technologies**
2840 2nd Avenue SE
Calgary, Alberta
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Canada

Manufacturing location(s):

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 manufacture'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 : 2000 Edition: 3.1	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-11 : 1999 Edition: 4	Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'I'

*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

IECEX ATR:

US/UL 03NK31386

US/UL 04NK16507

US/UL 04NK27774

File Reference:

03NK31386

04NK16507

04NK27774



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Series GasAlertClip Extreme are portable, disposable, battery operated, single gas monitors. They are intended for the detection of hydrogen sulfide, carbon monoxide, sulfur dioxide and oxygen depletion. The devices contain audible and visual alarms that are activated when conditions exceed preset limits.

Model Numbers:

Standard Model	Gas Monitored
GA24XT-H	Hydrogen Sulfide (H ₂ S)
GA24XT-M	Carbon Monoxide (CO)
GA24XT-S	Sulfur Dioxide (SO ₂)
GA24XT-X	Oxygen (O ₂)

The letter 'T' indicated version with an internal vibrator.

CONDITIONS OF CERTIFICATION: NO



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

1. a) Revised User Manual
- b) Revised Labels
- c) Revised Parts List

Changes to Parts List include only a change in memory size from 1k to 1k or 2k. Physical properties and manufacturer are the same therefore thermal analysis was not considered necessary.