

(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: **KEMA 06ATEX0056**

(4) Equipment or protective system: **Portable Gas Detector Type GasAlertMicroClip Model MC-X-W-H-M-...**

(5) Manufacturer: **BW Technologies Ltd**

(6) Address: **2840-2nd Avenue S.E., Calgary, Alberta, T2A 7X, Canada**

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

(8) KEMA Quality B.V., notified body number 0344 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 the 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. 2088445.


(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014 : 1997 + A1, A2 EN 50020 : 2002 EN 500284 : 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 according 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 this certificate.

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

 **II 1 G EEx ia IIC T4**

Arnhem, 9 March 2006
KEMA Quality B.V.



C.G. van Es
Certification Manager

® This Certificate may only be reproduced in its entirety and without any change

SCHEDULE

(13)

(14)

to EC-Type Examination Certificate KEMA 06ATEX0056**(15) Description**

Portable Gas Detector Type GasAlertMicroClip Model MC-X-W-H-M-... serves to detect the concentration or presence of gases by means of a number of integral sensors. The Gas Detector is battery operated and contains a visual, audible and vibrating indicator.

Ambient temperature range -20 °C ... +58 °C.

Electrical data

The Gas Detector is in type of explosion protection intrinsic safety EEx ia IIC.

The Gas Detector may only be powered by the battery pack delivered with the equipment and the battery may only be replaced by the manufacturer.

The battery may only be charged outside the hazardous area by means of the associated charger.

Functional performance

The examination of the Gas Detector does not include a judgement of the functional performance of the apparatus.

(16) Report

KEMA No. 2088445.

(17) Special conditions for safe use

None

(18) Essential Health and Safety Requirements

Covered by the standards listed at (9).

(19) Test documentation

As listed in Test Report No. 2088445.