

CERTIFICATE

(1) EC-Type Examination

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) EC-Type Examination Certificate Number: **KEMA 06ATEX0206**

Issue Number: **8**

(4) **Equipment:** **Portable Gas Detector Gas Alert Micro 5, Models M5-..., M5PID-... and M5IR-...**

(5) **Manufacturer:** **BW Technologies by Honeywell**

(6) **Address:** **2840 - 2nd Ave S.E., Calgary, Alberta, Canada T2A 7X9**

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

(8) DEKRA Certification 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 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 test report number 216080600.

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

EN 60079-0 : 2009
EN 60079-11 : 2012

EN 60079-1 : 2007
EN 60079-26 : 2004

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment 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 according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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



II 2 G Ex d ia IIC T4 or 135.3°C Gb (for M5IR)

II 1 G Ex ia IIC T4 or 135.3°C Ga (for M5 and M5PID)

This certificate is issued on 12 March 2013 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.

M. Erdhuizen
Certification Manager



(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 06ATEX0206**

Issue No. 8

(15) **Description**

The Gas Alert Micro 5 is a portable multi-gas detector for monitoring up to 5 gases like oxygen combustible and toxic gases simultaneously and continuously. The Gas Alert Micro 5 may be used with a Multi Media Card (MMC) in various memory sizes and with a Photo Ionization Detector (PID). The sample method is either diffused or pumped.

The ambient temperature range and temperature class / maximum surface temperature depends on the batteries used as follows:

<u>Battery</u>	<u>Ambient Temperature Range</u>	<u>Temp Class / max surface temperature</u>
Duracell MN1500	-20 °C to +50 °C	T4
Energizer E91	-20 °C to +50 °C	135.3 °C
Lithium Polymer Battery Pack "M5-BAT08" or "M5-BAT08B"	-20 °C to +50 °C	T4

Electrical data

Only the following batteries may be used in the Gas Alert Micro 5

Duracell MN1500

Energizer E91

Lithium Polymer Battery Pack "M5-BAT08" or "M5-BAT08B" (Contains Narada Lithium battery pack part number - NLC704050LT20-2P)

Installation instructions

The instructions provided with the equipment shall be followed in detail to assure safe operation.

(16) **Test Report**

No. 216080600.

(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. 216080600.