

# 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 09ATEX0137**

Issue Number: **5**

(4) Equipment: **Portable Gas Detector Gas Alert Quattro, Model QT-XWHM-A-Y-\*\*\***

(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 217020700.

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

**EN 60079-0 : 2012**

**EN 60079-11 : 2012**

**EN 60079-26 : 2007**

(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 1 G Ex ia IIC T4 or 135.3 °C Ga**

This certificate is issued on 30 October 2014 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.

  
T. Pijpker  
Certification Manager

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Integral publication of this certificate and adjoining reports is allowed. This Certificate may only be reproduced in its entirety and without any change.

(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 09ATEX0137**

Issue No. 5

(15) **Description**

The Gas Alert Quattro is an intrinsically Safe, portable multi-gas detector for monitoring up to 4 gasses simultaneously and continuously: oxygen [deficiency], combustibles, carbon monoxide and hydrogen sulfide. A 4.2V Lithium Polymer battery pack or 3-Cell "AA" Alkaline pack powers the detector.

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 E91VP	-20 °C to +50 °C	135.3 °C
Lithium Polymer Battery Pack QT-BAT-Rxxx	-20 °C to +50 °C	T4

The Gas Alert Quattro has been evaluated as a fully intrinsically safe gas detector with the applicable marking of Ex ia only when used with the sensors evaluated under this certificate.

**Electrical data**

Only the following batteries may be used in the Gas Alert Quattro

Duracell MN1500  
Energizer E91VP  
Lithium Polymer Battery Pack "QT-BAT-Rxxx" (Contains Narada cells part number - NLP 704050LT20 or BYD cells part number SL684048)

The Lithium Battery pack may only be charged outside the hazardous area.  
Alkaline cells may only be changed outside the hazardous area.

**Installation instructions**

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

(16) **Test Report**

No. 217020700.

(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. 217020700.