

(1) EC-TYPE EXAMINATION CERTIFICATE

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

(3) EC-Type Examination Certificate Number: **KEMA 06ATEX0208** Issue Number: **2**

(4) Equipment: **Personal Multi-sensor Gas Detector, Model PGM 2400 QRAE II**

(5) Manufacturer: **RAE Systems, Inc**

(6) Address: **3775 North First St., San Jose, CA 95134, USA**

(7) This equipment 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 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 211263500.

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

EN 60079-0 : 2006
EN 50020 : 2002

EN 60079-1 : 2004

EN 50014 : 1997 + A1, A2

(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 EEx d ia IIC T4

This certificate is issued on March 13, 2008 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.

KEMA Quality B.V.



T. Pijker
Certification Manager

(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 06ATEX0208**

Issue No. 2

(15) **Description**

The Model PGM 2400 QRAE II is a multi-sensor gas detector designed to provide continuous exposure monitoring of gases such as CO, H₂S, O₂ and LEL gases for workers in hazardous environments. Optionally a pump to draw in the gases being analyzed can be provided.

Ambient temperature range -20 °C to +50 °C.

Electrical data

Powered by either a Li-Ion battery pack, p/n 020-3402-000, or by an alkaline battery pack, p/n 020-3403-000, that contains three Duracell MN1500 batteries.

Installation instructions

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

Routine tests

None

(16) **Test Report**

KEMA No. 211263500.

(17) **Special conditions for safe use**

None.

(18) **Essential Health and Safety Requirements**

Assured by compliance with the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 211263500.