

(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 04ATEX1053 X** Issue Number: **3**

(4) Equipment: **Digital Test Gauge Model Series XP2i and XP2i-DD**

(5) Manufacturer: **Crystal Engineering Corporation**

(6) Address: **708 Fiero Lane, Suite 9, San Luis Obispo, CA 93401, 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 211603900.

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

EN 60079-0 : 2006

EN 60079-11 : 2007

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:



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This certificate is issued on July 16, 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.


P.T. van Nijen
Certification Manager

Page 1/2



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Experience you can trust.



(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 04ATEX1053 X** Issue No. 3

(15) **Description**

The Digital Test Gauges Model Series XP2i and XP2,-DD are battery powered devices for measuring gauge pressures up to 70000kPa, 700 bar or 10000 psi. The Test Gauges are provided With a display and buttons for control.

Ambient temperature range -20 °C ... +40°C

Electrical data

- | | |
|------------------|---|
| Supply | 3 non-rechargeable AA type batteries:
Rayovac type Max Plus
Eveready (Energizer) type E91
Eveready (Energizer) type EN91
Duracell type MN1500 |
| RS 232 interface | may not be used within the hazardous area |

Installation instructions

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

(16) **Test Report**

KEMA No. 211603900.

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

Because the enclosure of the Digital Test Gauge Model Series XP2i and XP2i-DD is made of aluminium, if it is mounted in an area where the use of category 1 G apparatus is required, it must be installed such, that, even in the event of rare incidents, ignition sources due to impact and friction sparks are excluded.

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 211603900.