

(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 08ATEX0090 X** Issue Number: **2**
- (4) Equipment: **Pressure Transmitters Model 2051C, 2051L, 2051T, 2051CFA, 2051CFC and 2051CFP**
- (5) Manufacturer: **Rosemount Inc.**
- (6) Address: **12001 Technology Drive, Eden Prairie, MN 55344-3659, 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 212832600-2.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN 60079-0 : 2006 EN 60079-1 : 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:

**II 1/2 G****Ex d IIC T5 or T6 IP 66**

This certificate is issued on September 11, 2009 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.**C.G. van Es
Certification Manager**

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(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 08ATEX0090 X** Issue No. 2

(15) **Description**

Pressure Transmitters Model 2051C, 2051L, 2051T, 2051CFA, 2051CFC and 2051CFP are microprocessor based pressure transmitters, used to convert the measured process pressure into digital or analog signals.

Ambient temperature range:

- for temperature class T5: -50 °C to +80 °C
- for temperature class T6: -50 °C to +65 °C

Electrical data

Supply and output signal:

- 10,5 to 42,4 Vdc (4-20 mA signal with digital HART superimposed)
- 9 to 32 Vdc (fieldbus signal)
- 9 to 28 Vdc (low power 1-5 Vdc signal).

Installation instructions

The instructions provided by the manufacturer shall be followed in detail in order to assure safe operation of the equipment.

(16) **Test Report**

KEMA No. 212832600-2.

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

The Ex d blanking elements, cable glands and wiring shall be suitable for a temperature of 90 °C.

The device contains a thin wall diaphragm. Installation, maintenance and use shall take into account the environmental conditions to which the diaphragm will be subjected. The manufacturer's instructions for maintenance shall be followed in detail to assure safety during its expected lifetime.

In case of repair, contact the manufacturer for information on the dimensions of the flameproof joints.

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 212832600-2.