

(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 10ATEX0021 X** Issue Number: 1

(4) Equipment: **Direct Reading Differential Pressure Flow Meter Series 7000/8000 Flo-Gage  
Inline Flow Switch Series 1000/2000 Flo-Gard II**

(5) Manufacturer: **RCM Industries Inc**

(6) Address: **110 Mason Circle, Concord, California, U.S.A. 94520**

(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 213202200.

(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:



**II 1 G Ex ia IIC T4**

This certificate is issued on March 15, 2010 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



(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 10ATEX0021 X** Issue No. 1

(15) **Description**

Direct Reading Differential Pressure Flow Meters Series 7000/8000 Flo-Gage with option 1S2-IS, 1S2-IS-LED, 2S2-IS or 2S2-IS-LED.  
Inline Flow Switch Series 1000 / 2000 Flo-Gard II with option 1S2-IS, 2S2-IS, 1S2-IS-LED or 2S2-IS-LED.

Ambient temperature range 0 °C to +50 °C.

**Electrical data**

Switch contacts (terminals NO, NC and +24Vdc):  
in type of protection intrinsic safety Ex ia IIC, only for connection to a certified intrinsically safe circuit, with following maximum values:

$U_i = 28V$ ,  $I_i = 110mA$ ,  $P_i = 1.2W$ ,  $C_i = 0 \mu F$ ,  $L_i = 0 mH$ .

**Installation instructions**

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

(16) **Test Report**

KEMA No. 213202200.

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

1000/2000 Series Flo-Gage utilizes an aluminum enclosure. Mechanical impact shall be avoided.  
7000/8000 Series Flo-Gard II utilizes a plastic enclosure. Electrostatic charges shall be avoided.

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 213202200.