



(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 06ATEX0040** Issue Number: **1**

(4) Equipment: **Mark 4 Yo-Yo sensor**

(5) Manufacturer: **Venture Measurement Company**

(6) Address: **150 Venture Blvd, Spartanburg, SC 29306, 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 no. 2090778.

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

**EN 50014 : 1997 + A1, A2**

**EN 50018 : 2000 + A1**

**EN 50281-1-1 : 1998 + A1**

(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 GD**

**EEx d IIB T5 T 100 °C IP66**

Arnhem, 1 September 2006  
KEMA Quality B.V.

H. J. G. de Wild  
Certification Manager





(13) **SCHEDULE**

(14) to EC-Type Examination Certificate KEMA 06ATEX0040 Issue No. 1

(15) **Description**

The Mark-4 Yo-Yo sensor is mounted to the top of a vessel and measures the distance to the product in the tank.

Ambient temperature range -20 °C ... +60 °C.

**Electrical data**

Supply voltage : 120 Vac / 240 Vac  
Power dissipation : 46 Watt max.

**Installation instructions**

Cable entry

The cable entry and closing devices shall be in type of protection flameproof enclosure "d", suitable for the conditions of use and correctly installed. The devices shall provide a degree of protection of IP66.

Conduit entry

A certified sealing device such as a stopping box with setting compound shall be provided, either in the conduit entry of the housing or immediately at the entrance thereto.

Cable and conduit entry devices and cables suitable for a temperature of at least 90 °C shall be used.

**Routine tests**

None.

(16) **Test Report**

KEMA No. 2090778.

(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. 2090778.