

(1) EC-TYPE EXAMINATION CERTIFICATE

- (2) Equipment or protective system intended for use in potentially explosive atmospheres - Directive 94/9/EC
- (3) EC-Type Examination Certificate Number: **KEMA 02ATEX2256 X**
- (4) Equipment or protective system: **Radar Level Transmitter Model R.5-5...-C..**
- (5) Manufacturer: **Magnetrol International N.V.**
- (6) Address: **Heikensstraat 6, 9240 Zele, Belgium**
- (7) This equipment or protective system 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 or protective system 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 report no. 2023552.

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

EN 50014 : 1997

EN 50018 : 2000

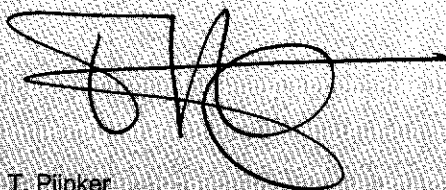
EN 50284 : 1999

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system 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 or protective system according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
- (12) The marking of the equipment or protective system shall include the following:



II 1/2 G EEx d IIC T6

Arnhem, 5 June 2003
KEMA Quality B.V.



T. Pijpker
Certification Manager

* This Certificate may only be reproduced in its entirety and without any change.

SCHEDULE

(13)

(14)

to EC-Type Examination Certificate KEMA 02ATEX2256 X**(15) Description**

The Radar Level Transmitter Model R.5-5...-C.. is used for liquid level detection. A liquid level is converted into a 4 - 20 mA current signal.

Ambient temperature range -40 °C ... +70 °C.

Electrical data

Supply circuit 16 - 36 Vdc, 4 - 20 mA

Installation instructions

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

Routine tests

Routine tests according to Clause 16 of EN 50018 are not required since the type test has been made at a static pressure of four times the reference pressure.

(16) Report

KEMA No. 2023552.

(17) Special conditions for safe use

When an insulated probe is used in a potentially explosive atmosphere caused by gas, damp or a non-conducting liquid, precautions must be taken to avoid ignition due to hazardous electrostatic charges.

(18) Essential Health and Safety Requirements

Covered by the standards listed at (9).

(19) Test documentation

	<u>dated</u>
Drawing No. 099-7199 (3 sheets), rev. A	12.05.2003
09-9077-001 (6 sheets), rev. D	11.02.2003
09-9097-001 (3 sheets), rev. J	11.02.2003
009-9083-001 (4 sheets), rev. B	11.02.2003
094-6027 (2 sheets), rev. D	11.02.2003
094-6028, rev. J	11.02.2003
094-6031 (sheet 1 of 3), rev. B	11.02.2003