IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx DEK 11.0034X issue No.:0	Certificate history:
Status:	**Current**	
Date of Issue:	**2011-06-15**	Page 1 of 3

Applicant: **Magnetrol International N.V.**
Heikensstraat 6
9240 Zele
Belgium

Electrical Apparatus: **Radar Level Transmitter Model Pulsar Rx5**
Optional accessory:

Type of Protection: **Ex ia**

Marking: **Ex ia IIC T4 Ga**

Approved for issue on behalf of the IECEx Certification Body: C.G. van Es

Position: Certification Manager

Signature:
(for printed version)

Date: 2011-06-15

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

DEKRA Certification B.V.
Utrechtseweg 310
6812 AR Arnhem
The Netherlands

All testing, inspection, auditing and certification activities of the former KEMA Quality are an integral part of the DEKRA Certification Group.

DEKRA

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Manufacturer:

Magnetrol International N.V.
Heikensstraat 6
9240 Zele
Belgium

Manufacturing location(s):

Magnetrol International NV
Heikensstraat 6
9240 Zele
Belgium

Magnetrol International Inc.
5300 Belmont Road
Downers Grove, IL
60515-4499
United States of America

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:
The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2007-10 Edition: 5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2006 Edition: 2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

NL/DEK/ExTR11.0026/00

Quality Assessment Report:

CA/CSA/QAR06.0004/06
NL/KEM/QAR08.0036/02

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

The Radar Level Transmitter Model Pulsar Rx5 measures the level of the fluid using a microwave beam. The output signal is a 4 - 20 mA current signal with digital communication (HART). The antenna is a horn or a dielectric rod type.
The transmitter is provided with a display for local read-out and configuration.

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

Electrical data
Output/supply circuit (terminals + and -):
in type of protection intrinsic safety Ex ia IIC, only for connection to a certified intrinsically safe circuit, with the following maximum values:
U_i = 28.4 V; I_i = 120 mA; P_i = 0.84 W; C_i = 2.2 nF; L_i = 430 µH.

CONDITIONS OF CERTIFICATION: YES as shown below:

Because the enclosure of the Radar Level Transmitter Model Pulsar Rx5 is made of aluminium, if it is mounted in an area where the use of apparatus of equipment protection level Ga 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.

The transmitter's antenna shall be installed so, that electrostatic discharges are prevented.