



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 BKI 08.0015

Issue No: 1

Certificate history:

Status: Current

Issue No. 1 (2018-06-13)

Issue No. 0 (2008-10-31)

Date of Issue: 2018-06-13

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Applicant: Magnetrol International N.V.

Heikensstraat 6

B-9240 Zele

Belgium

Belgium

Equipment: Level transmitter type E3 Modulelevel

Optional accessory:

Type of Protection: General requirements, Flameproof enclosure

Marking:

Ex d IIC T6 Ga / Gb

-40 °C up to +70 °C

Approved for issue on behalf of the IECEx

Certification Body:

Edit Molnár

Position:

Head of the Certification Body

Signature:

(for printed version)

Date:

2018-06-13

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](http://www.iecex.com).

Certificate issued by:

Testing Station for Explosion Proof Equipment

H 1037 BUDAPEST

MIKOVINY S.u. 2-4

Hungary



Ex



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Manufacturer: **Magnetrol International Inc.**
705 Enterprise Street,
Aurora,
IL60504
United States of America

Additional Manufacturing location(s):

Magnetrol International N.V.
Heikensstraat 6,
B-9240 Zele
Belgium

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 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 60079-1 : 2001 Edition:4 | Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosures 'd' |
| 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:

[HU/BKI/ExTR08.0014/00](#)

Quality Assessment Report:

[CA/CSA/QAR06.0004/11](#) [NL/DEK/QAR11.0031/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Standards:

IEC 60079-0:2007 Electrical apparatus for explosive atmosphere – Edition: 5 Part 0: General requirements

IEC 60079-1:2007 Electrical apparatus for explosive atmosphere – Edition: 4 Part 1: Flameproof enclosure “d”

IEC 60079-26:2006 Electrical apparatus for explosive atmosphere – Edition: 2 Part 26: Equipment with equipment protection level (EPL)
Ga

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1

Change the address of the manufacturer, Magnetrol International Inc.

The new address: 705 Enterprise Street, Aurora, IL60504, United States of America

The IECEx QAR of the manufacturer: CA/CSA/QAR06.0004/11

+

Additional manufacturing location is added:

Magnetrol International N.V.

The address of the additional manufacturing location: Heikensstraat 6, B-9240 Zele, Belgium

The IECEx QAR of the additional manufacturing location: NL/DEK/QAR11.0031/04

Annex:

[Addendum to IECEx BKI 08.0015.pdf](#)



1. Description

The level transmitter E3 Modulelevel consists of

- an aluminium alloy or stainless steel housing. Two covers of which one is provided with a window are screwed to this housing.
- an adaptor screwed on the base of the housing
- a cover screwed on the adaptor, inside a linear variable differential transformer is fitted (LVDT). This one detects and converts the movement of the level of the liquid into 4-20 mA signal or digital output (Hart, Fieldbus, Profibus).
- a tube made of stainless steel or hastelloy or monel, maintained on the adaptor by two blocking screws ensures the partitionwall between zone 0 and zone 1.

Each housing shall be equipped with certified, flameproof (Ex d IIC) cable entries.
The unused threaded holes shall be plugged with certified threaded plugs.

2. Type assortment

E3 X – X X X X – X X X

3. General parameters

3.1 Technical data

Electrical characteristics
Supply voltage: 24 VDC

4. Ambient temperature

-40°C up to +70°C

5. Ingress protection IP66 to IEC 60529

Drawings

| | | |
|--|-----------------|------------|
| Report No. 0.07120 | 27 pages | 2008.05.06 |
| Ezmodu-d-04b | | 2008.02.13 |
| Data sheet related to the cementing material | | |
| The installation and operating manual ref. bulletin Nr. 48-640.0 | | 2008.04. |
| 099-7220 | Modulelevel III | 3 pages |
| ISSeP Test Report | 07120 | 27 |
| | | 2008.05.06 |

