

(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: **ISSeP08ATEX019**

(4) Equipment : Level transmitter
E3 Modulelevel

(5) Applicant – Manufacturer :
Magnetrol International N.V.

(6) Address: Heikensstraat 6
9240 Zele

(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) ISSeP, notified body n° 492 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 07120

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
IEC 60079-0:2007 EN 60079-1:2007 (IEC 60079-1:2007)
EN 60079-26: 2007 (IEC 60079-26:2006)

(10) If the symbol "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

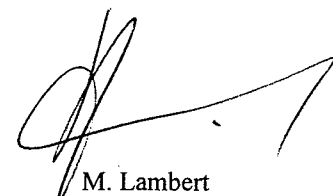
(11) This EC TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of this Directive may apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following indications:

 II 1/2 G Ex d IIC T6

Colfontaine, the 07.05.2008

INSTITUT SCIENTIFIQUE DE SERVICE PUBLIC
Zoning A. Schweitzer - B7340 Colfontaine (Wasmès)
Tél: ++ 32 65 610811 – Fax: ++ 32 65 610808



M. Lambert
Manager

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(13)

SCHEDULE

(14)

EC TYPE EXAMINATION CERTIFICATE No ISSeP06ATEX019

(15) Description of the equipment:

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 this housing
- a cover screwed on the adaptor, inside which is fitted a linear variable differential transformer (LVDT). This one detects and converts the movement of the level of liquid into a 4-20mA 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 partition wall between zone 0 and zone 1

Each housing shall be equipped with certified Ex d IIC cable entries

The unused threaded holes shall be plugged with certified threaded plugs

This apparatus bears the type designation : E 3 X - X X X X - X X X

Eventual prescriptions

Ambient temperature range: -40°C up to +70°C

Electrical characteristics

Voltage supply: 24 V DC

Routine test

The manufacturer shall make the routine verifications and tests necessary to ensure that the electrical apparatus produced complies with the specification submitted to the testing station together with the prototype.

The housings are exempted from the overpressure routine test;

(16) Report no 07120 of 6.05.2008 composed in total of 27 pages.

The letter of the manufacturer reference Ezmodu-d-04b du 13.02.2008

The data sheet related to the cementing material

The installation and operating manual Ref. Bulletin N° 48-640.0 dated April 2008

The drawings

099-7220 of 14.05.2007 Rev.A of May 2007 signed on 13.02.2008 (3 sheets)

(17) Special conditions for safe use: none

(18) Essential Health and Safety Requirements: covered by the standards listed at point 9 and by the descriptive documents of the manufacturer

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VARIATION

EC TYPE EXAMINATION CERTIFICATE N° ISSeP08ATEX019/1

(14) Equipment : Level transmitter E3 Modulelevel

(15) Subject of the variation :

Use a thinner enclosure composed of stainless steel for the sensor

Include high temperature version and remote housing

Update of the initial certificate with the ATEX General standard EN 60079-0 with the last edition (EN 60079-0 : 2012)

Marking:  II 1/2 G Ex d IIC T6 Ga/Gb

Eventual Prescriptions: no change

Routine verifications and tests: (Clause 27 of EN 60079-0)

- The manufacturer must do the verifications and individual tests to assure that the produced electrical apparatus conforms with the specification submitted to the test station

- Furthermore, each stainless steel welded sensor will be submitted to the following individual tests: Individual test under a static or dynamic overpressure of 1650kPa (article 16 of EN 60079-1)

(16) Report n° 14055 of 10.09.2014

The drawing plan 099-7220 (4 sheets) Rev C of June 2014 and signed of 18 June 2014

(17) Special conditions for safe use : None

(18) Essential Health and Safety Requirements :

- Covered by the detailed norms on point 9 of the initial certificate.

Colfontaine, 26.09.2014

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M. LAMBERT,
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