



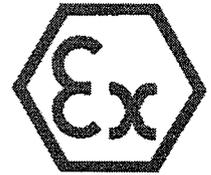
ISSEP
Institut scientifique
de service public

Métrieologie environnementale
Recherche - Analyses
Essais - Expertises

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(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: **ISSeP11ATEX002X**

(4) Equipment : Ultrasonic level switch
Echotel 910

(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 10106

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

EN.60079-0:2009 (IEC 60079-0:2007)

EN 60079-1:2007 (IEC 60079-1:2007)

EN 60079-7:2007 (IEC 60079-7:2006)

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+e/d IIC T6 Ga /Gb

Colfontaine, the 17.01.2011

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M. Lambert,
Manager

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(13)

SCHEDULE

(14)

EC TYPE EXAMINATION CERTIFICATE No ISSeP11ATEX002X

(15)

Description of the equipment:

Ultrasonic level switch – Echotel 910

This apparatus consists of:

- One aluminium alloy or stainless steel housing containing the electrical and electronic devices complying with the kind of protection "d"
- One probe screwed either directly to the wire bushing either via an extension tube complying with the kinds of protection "d" and "e". The probe and extension tube are made of stainless steel.

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:

9 1 0 - X X X X - X X X

Model _____
 Housing _____
 Units _____
 Process connection _____
 Input power / relay output _____
 Probe length _____

Eventual prescriptions

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

Electrical characteristics

Voltage: 120 to 240 VAC 50 or 60 Hz

24 V DC

Power consumption: 2.5 VA

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. However the extension tube shall be submitted to an overpressure test of 2000 kPa (20 bar) maintained during at least 10 seconds. Furthermore the probe shall be submitted to a dielectric strength test under the voltage 500 V (article 7.1 of IEC 60079-7:2006)

(16)

Report no 10106 of 7.01.2010 composed in total of 24 pages.

The e-mail from the manufacturer dated 6.01 2011

The letter from the manufacturer - reference Echo-d-09b of 17.12.2010

The installation and operating manual reference – Bulletin No: BE 51-604.17 (8 pages)

The drawings

010-1216 Revision K of November 2007

010-1607 Revision K of November 2007

99-7110 Revision F of July 2010

99-7140 Revision C of July 2010

99-7141 Revision D of December 2003 (2 Sheets)

99-7142 Revision C of July 2010

99-7210 Revision B of July 2010

99-7212 Revision B of July 2010

(17)

Special conditions for safe use: symbol X

- The temperature class T6 of this apparatus may be affected if the temperature of the measured fluid (or the process) exceeds 70°C

(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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