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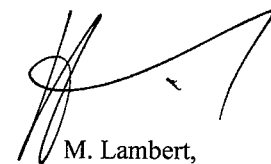
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- (1) **EC TYPE EXAMINATION CERTIFICATE**
- (2) **Equipment or protective system intended for use
in potentially explosive atmospheres
Directive 94/9/EC**
- (3) EC type examination certificate number: **ISSeP09ATEX009X**
- (4) Equipment : Ultrasonic transmitter Echotel
Model 355
- (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 07152
- (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 60079-18:2004 (IEC 60079-18:2004) 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 ma / d IIC T6 Ga /Gb

Colfontaine, the 12.02.2009

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


M. Lambert,
Manager.

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SCHEDULE

(13)

(14)

EC TYPE EXAMINATION CERTIFICATE No ISSeP09ATEX 009X

(15) Description of the equipment:

The ultrasonic transmitter Echotel consists of

- an aluminium alloy or stainless steel housing (category 2) of which the cover may be provided with a window
- an encapsulated ultrasonic sensor (category 1) fixed on the base of this housing

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 : 3 5 5 - X X X X - C 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 07152 of 11.02.2009 composed in total of 27 pages.

The letter of the manufacturer reference Echo-d-08c of 4 February 2009

The e-mail of the manufacturer of 10 February 2009

The installation and operating manual Ref. Bulletin 51-661.0 of May 2008 (60 pages)

The technical data related to the materials of the enclosure of the sensor, to the resins used for the bushing and the encapsulation, to the material of the cementing joint of the window.

The drawings

99-7216 of 24.02.2004 Rev B of December 2005

99-7221 of 14.01.2008 (2 sheets)

(17) Special conditions for safe use: symbol X

The required precautions shall be taken in order to prevent any risks of electrostatic discharges.

(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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