




- (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: **ISSeP12ATEX042**
- (4) Equipment: Level switch Echotel type 960/961/962.
- (5) Applicant – Manufacturer – ~~Authorized representative in the Community:~~
Magnetrol International N.V. Magnetrol International
- (6) Address: Heikensstraat 6 5300 Belmont Road
B - 9240 Zele Downers Grove, Illinois 60515
U.S.A.
- (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° 0492 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 N° 12080.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with the documents:
EN 60079-0: 2012 EN 60079-1: 2007
EN 60079-26: 2007
- (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 Ga/Gb

Colfontaine, the 20.12.2012.

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Marcel Lambert,
Director.

This certificate may only be reproduced in its entirety and without any change, schedule included

(13)

SCHEDULE

(14)

EC TYPE EXAMINATION CERTIFICATE No ISSeP12ATEX042

(15) Description of the equipment

- Level switch Echotel type 960/961/962.
- This apparatus consists of:
 - An aluminium alloy or stainless steel housing containing the electronic equipments.
 - A bushing of wires screwed at the base of the housing.
 - A probe directly fixed on the bushing or fixed via an extension tube.

Eventual prescriptions

- Ambient temperature range: $-40\text{ °C} \leq T_a \leq +70\text{ °C}$

Electrical characteristics

- Supply voltages: 24 VDC or 120/240 VAC

Routine tests

- 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 with its probe shall be submitted to an overpressure test under the minimum value of 2000 kPa (20 bar).

(16) Report N° 12080 completed by 8 documents.

(17) Special conditions for safe use: None

(18) Essential Health and Safety Requirements

- Covered by the standards listed at (9) and by the descriptive documents of the manufacturer.