



(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: **ISSeP12ATEX033X**

(4) Equipment or protective system:
Ultrasonic level detector ECHOTEL type 96X

(5) Applicant – Manufacturer – ~~Authorized representative in the Community:~~
MAGNETROL International n.v.

(6) Address: Heikensstraat 6
B- 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 n° 12086.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0 : 2012 (IEC 60079-0 : 2011)
EN 60079-11 : 2012 (IEC 60079-11 : 2011)
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.

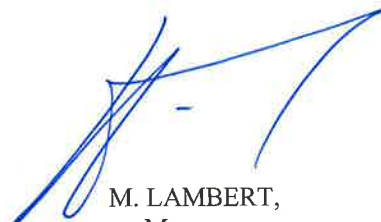
(11) This EC TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of this Directive may apply to the manufacturing process and supply of this equipment or protective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

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

 II 1 G Ex ia IIC T5 Ga

Colfontaine, the 26.11.2012

INSTITUT SCIENTIFIQUE DE
SERVICE PUBLIC
Zoning A. Schweitzer,
rue de la Platinerie
B-7340 COLFONTAINE (Wasmès)
Tél: ++ 32 65 610811 –
Fax: ++ 32 65 610808
e-mail : colfontaine@issep.be



M. LAMBERT,
Manager.

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

(13)

SCHEDULE

(14)

EC TYPE EXAMINATION CERTIFICATE N^R ISSeP12ATEX033X

(15)

Description of the equipment or protective system:
Ultrasonic level detector ECHOTEL type 96X

It is composed by an enclosure containing the amplifier circuit. On this enclosure, a probe with a maximum length of 6 meters is fixed

Possible and admissible variations:

9 6 X - 5 X X X - X A X

Basic model number _____
961 = single setpoint
962 = dual setpoint

Input power _____
5 = powered by 24 VDC

Signal output _____

Self test _____

Options _____

Mounting _____
0 = integral
1 = remote

Classification _____
A = ATEX II 1 G Ex ia IIC Ga

Housing / cable entry _____
M20 or 3/4" NPT
Aluminium or Stainless steel

Electrical parameters
Model 961:
U_i = 28.4 V, I_i = 94 mA, P_i = 0.67 W
L_i = 400 μH, C_i = 10.4 nF

Model 962:
U_i = 28.4 V, I_i = 94 mA, P_i = 0.67 W
L_i = 400 μH, C_i = 60 nF

Eventual prescriptions
T_a : -40°C to +70°C

(13)

SCHEDULE

(14)

EC TYPE EXAMINATION CERTIFICATE N^R ISSeP12ATEX033X

(16) Report n^o: 12086 of 13.11.2012

Composed in total of 26 pages, completed by the following descriptive documents:

- "Echotel Model 961/962 Installation and Operating Manual"
- Declaration of conformity Ex
- The drawings

Number	Rev.	Date	Pages	Description
094-5047	A	05.2005		Echotel 961 Loop Schematic
030-3590	M	13.11.2009		Echotel 961 Loop P.C. Board Assembly
09-9317-001	D	10.08.2012	4	
094-5050	C	10.2006	2	Echotel 962 Loop Schematic
030-3593	F	03.01.2008		Echotel 962 Loop P.C. Board Assembly
09-9320-001	F	10.08.2012	4	
99-6533	B	08.2012		Model 96X Echotel ATEX EEx ia
99-6534	A	29.08.2005	2	Echotel Transducer Assembly Series 9X1

(17) Special conditions for safe use:

Symbol X

- Material marked as Category 1 (zone 0) equipment and used in hazardous areas requiring this category, shall be installed in such a way that, even in the event of rare incidents, the aluminium enclosure cannot be an ignition source due to impact or friction

(18) Essential Health and Safety Requirements: Covered by the Standards listed in (9)