



(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: **ISSeP06ATEX011X**

(4) Equipment or protective system:
ECHOTEL ultrasonic level transmitter type 96X

(5) Applicant – Manufacturer – ~~Authorized representative in the Community:~~
MAGNETROL INTERNATIONAL

(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° 05130.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014 : 1997 + A1 and A2 : 1999
EN 50020 : 2002
EN 50284 : 1999

(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.

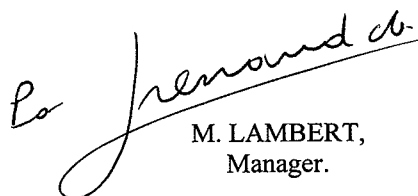
(11) This EC TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of this Directive may apply to the manufacturing process and supply of this equipment or protective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

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

 II 1G EEx ia II C T5

Colfontaine, the 27.02.2006

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SERVICE PUBLIC
Zoning A. Schweitzer,
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M. LAMBERT,
Manager.

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(13)

SCHEDULE

(14)

EC TYPE EXAMINATION CERTIFICATE N^R ISSeP06ATEX011X

(15) Description of the equipment or protective system:

ECHOTEL ultrasonic level transmitter type 96X.

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

Possible and admissible variations

		9 6 X - 5 X X X - X A X
Basic model number	_____	
961 = single point		
962 = dual point		
Power	_____	
5 = 24 VDC loop powered		
Signal Out	_____	
Self test	_____	
Options	_____	
Mounting	_____	
0 = integral		
1 = remote		
Classification	_____	
A = ATEX II 1 G EEx ia IIC		
Housing & electrical entry	_____	
M20 or ¾" NPT		
Aluminium or stainless steel		

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Electrical parameters

Power supply : $U_i = 28.4 \text{ V}$; $I_i = 94 \text{ mA}$; $P_i = 0.67 \text{ W}$

Internal parameters : Model 961 : $L_i = 400 \mu\text{H}$; $C_i = 10.4 \text{ nF}$

Model 962 : $L_i = 400 \mu\text{H}$; $C_i = 60 \text{ nF}$

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 or sample (EN 50014 - clause 24).

Eventual prescriptions : $T_a : -40^\circ\text{C}$ to $+70^\circ\text{C}$

(16) Report n^r 05130 of 27.02.2006

Composed in total of 25 pages, completed by the following descriptive documents :

"Echotel Model 961/962 Installation and Operating Manual"

The drawings:

Number	Rev.	Date	Pages	Description
094-5047	A	05.2005		Echotel 961 Loop Schematic
030-3590	D	04.01.2006		Echotel 961 Loop P.C. Board Assembly
09-9317-001	C	26.08.2005	6	
094-5050	A	05.2005	2	Echotel 962 Loop Schematic
030-3593	B	07.2005		Echotel 962 Loop P.C. Board Assembly
09-9320-001	D	26.08.2005	6	
99-6533	A	16.08.2005		Model 96X Echotel ATEX EEx ia
99-6534	A	29.08.2005	2	Echotel Transducer Assembly Series 9X1

(17) Special conditions for safe use:

- Materials marked as Category 1 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)

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