



(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: **ISSeP01ATEX014**

(4) ~~Equipment or protective system:~~ Loudspeaker type AP 60 MD , electronic horn type ETH 20 MD

(5) Applicant – Manufacturer : A.E.S. APPARECCHIATURE ELETTRICHE DI SICUREZZA S.a.S.

(6) Address: Circonvallazione per S. Angelo n°1  
I 20098 S. Giuliano Milanese (Mi)  
ITALY

(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° 99036

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
EN 50014 – Ed. 1997 + A1 and A2 - 1999  
EN 50018 – Ed. 2000

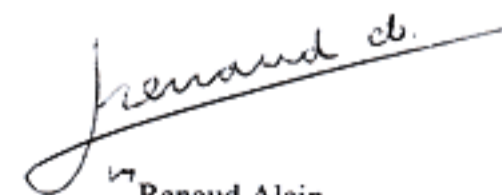
(10) The symbol "X" placed after the certificate number indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(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 2 G EExd IIB + H<sub>2</sub> T3 or EExd IIC T3 or EExd IIC T4

Colfontaine, the 25.06.2001



Renaud Alain  
Manager of Colfontaine division

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(13)

## SCHEDULE

(14)

### EC TYPE EXAMINATION CERTIFICATE N<sup>R</sup> ISSeP01ATEX014

(15) Description of the equipment or protective system:

Flameproof house fitted with a sintered metal wall in which is fitted a sound device.

Groupings and classifications

Apparatus type AP60MD bronze sintered wall : EExd IIB + H<sub>2</sub> T3

Apparatus type AP60MD brass sintered wall : EExd IIC T3

Apparatus type ETH20MD bronze sintered wall : EExd IIB + H<sub>2</sub> T3

Apparatus type ETH20MD brass sintered wall : EExd IIC T4

Connection of the apparatus.

The connection of the apparatus shall be made by cable entries of a certified flameproof model or by threaded metal conduits; in this case a stopping box with compound filling of a certified flameproof model shall be placed at the entry of the apparatus. The unused threaded holes shall be shut by certified flameproof plugs. These accessories shall be screwed in accordance with the prescriptions of the item 5.3. of EN 50018. These accessories are not included in the present certificate and shall be suitable with the conditions of use.

Routine verifications and 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 (item 24 – EN 50014).

Furthermore each enclosure shall be submitted to the routine test at the static or dynamic pressure of 13 bar minimum (item 16 – EN 50018).

Electrical parameters

ETH20MD : 12 – 230 V, – 10 watt maximum

AP60MD : 0 – 100 V, – 30 watt maximum

(16) Descriptive documents

The report n° 99036 of 12.06.2001 composed in total of 26 pages.

The drawings n°

102/99 of 20.11.98 rev. 3

103/99 of 20.11.98

105/99 of 20.11.98

106/99 of 23.11.98

The instructions notices of May 2001 (2 sheets)

The letter ref GM/St of 20 May 2001

The fax Kroma Mec of 06.06.2001

(17) Special conditions for safe use: nihil

(18) Essential Health and Safety Requirements: nihil

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