



EC-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC

EC-Type Examination Certificate Number : **MECS01ATEX4260**

Equipment or Protective System: **SOUNDER TYPE DB51M**

Manufacturer: **MEDC LIMITED**

Address: **Pinxton, Nottingham, NG16 6JF**

This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

The Electrical Equipment Certification Service, notified body number 600 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°

01(C)0574 dated 5 July 2001

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014: 1997 + Amds 1 & 2 EN 50020: 1994 EN 50303: 2000

except in respect of those requirements listed at item 18 of the Schedule.

If the sign "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.

This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment or protective system.

The marking of the equipment or protective system shall include the following:-

 **I M 1 EEx ia I**

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

File No: **EECS 0676/07/011**

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



Electrical Equipment Certification Service
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I M CLEARE
DIRECTOR
12 July 2001



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Description of Equipment or Protective System

The Sounder Type DB51M is designed to produce an audio signal.

The sounder comprises an electronic circuit on a printed circuit board and an electromagnetic sounder device. The PCB is potted into a plastic enclosure which is mounted into a plastic base which forms a terminal enclosure

$$U_i = 14.4V$$

$$U_o = 14.4V$$

$$C_i = 0$$

$$L_i = 0$$

Connections must only be made to either 1st Sound and common or 2nd Sound and common.

By virtue of its shape, design and position of use, it is assessed that the apparatus is not considered to be an electrostatic risk, however, the apparatus must not be installed in a position where it may be subjected to an excessive air flow that may cause an electrostatic build-up.

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Special Conditions For Safe Use

None.

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Essential Health and Safety Requirements

ESSENTIAL HEALTH & SAFETY REQUIREMENTS not covered by standards listed in Section 9		
Clause	Subject	Compliance
1.1.3	Changes in characteristics of materials and combinations thereof	Report No 01(C)0574 Clause 6.1.1.3
1.2.2	Components for incorporation or replacement	Report No 01(C)0574 Clause 6.1.2.2
1.2.5	Additional means of protection	Report No 01(C)0574 Clause 6.1.2.5
1.2.7	Protection against other hazards	Report No 01(C)0574 Clause 6.1.2.7
1.4.2	Withstanding attack by aggressive substances	Report No 01(C)0574 Clause 6.1.4.2



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DRAWINGS

Number	Sheet	Issue	Date	Description
187-214	1	A	28.06.01	General Assembly of DB51M Sounder
187-189	1	A	29.06.01	Circuit Diagram DB51M new tones chip
131-178	1	A	29.08.00	'Fulleon' Transducer
187-182 SS	1	B	09.01.01	DB5 DC PCB Artwork
187-182 LO	1	B	09.01.01	DB5 DC PCB Artwork

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BASEEFA List Keywords
1ALARM