



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 **Baseefa02ATEX0209**
Number :

4 Equipment or protective system: **A TYPE DB1/H SOUNDER**

5 Manufacturer : **MEDC**

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

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

8 Baseefa (2001) Ltd. Notified body number 1180 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 No. **02(C)0302**

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

EN 50014 : 1997 + Amendments 1 and 2

EN 50018 : 2000

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

10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions of safe use specified in the schedule to this certificate.

11 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.

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

Ⓔ II 2 G EEx d IIB T3 (T_{amb} -20°C to +70°C)

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

Baseefa (2001) Ltd. Customer Reference No. **0676**

Project File No. **02/0302**

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

R S SINCLAIR

DIRECTOR

On behalf of

Baseefa (2001) Ltd.

Baseefa (2001) Ltd.

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Schedule

15 Description of Equipment or Protective System

The Type DB1/H Sounder may be rated for use at up to 120V d.c. or 254V a.c. with a maximum power dissipation of up to 66W.

The enclosure comprises a cylindrical base unit with a circular cover fixed by 4 off M6 by 16mm long stainless steel socket head screws of grade A2-70. The cover is fitted a stainless steel sintered disc to facilitate the transmission of sound, together with an external plastic horn arrangement.

The interior of the enclosure houses a driver unit, up to two printed circuit boards and an eight way terminal strip.

To obviate the risk of hotspots and capacitor storage associated with this unit the enclosure must not be opened when an explosive gas atmosphere is present. A label is fitted to each and every enclosure which states this information.

Internal and external earthing facilities are provided, together with up to four cable entries threaded either M20 or M25 for the accommodation of suitable BASEEFA certified flameproof cable entry devices, with or without the interposition of a suitable BASEEFA certified flameproof thread adapter. Unused entries are to be fitted with suitable BASEEFA certified flameproof stopping plugs.

Suitable flameproof cable entry devices, thread adapters and stopping plugs certified as Equipment (not a Component) under an EC Type Examination Certificate to Directive 94/9/EC may also be used in the manner specified above.

16 Report No.

Baseefa Certification Report No. 02(C)0302.

17 Special Conditions for Safe Use

None

18 Essential Health and Safety Requirements

None additional to those covered by the standards listed at item 9

19 Drawings and Documents

Number	Issue	Date	Description
173-456	A	25-11-02	General Arrangement, DB1/H Sounder

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