



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC - Type Examination Certificate Number: **Baseefa02ATEX0207X/1**

4 Equipment or Protective System: **A Type DB1 Sounder**

5 Manufacturer: **Cooper MEDC Limited**

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

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa02ATEX0207** to apply to equipment or a protective system designed and constructed in accordance with the specification set out in the Schedule of this certificate and incorporates and supersedes all previous issues of the said certificate.

8 Baseefa, 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. **GB/BAS/ExTR10.0133/00**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN60079-0: 2009 EN 60079-1: 2007

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 for safe use specified in the schedule to this certificate.

11 This Supplementary EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive 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 :

Ex II 2 G Ex d IIB T6 Tamb -20°C to + 55°C Gb

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

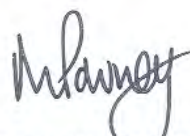

Baseefa Customer Reference No. **0676**

Project File No. **07/1067**

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

Baseefa

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Baseefa is a trading name of Baseefa Ltd
Registered in England No. 4305578. Registered address as above.


PPR S SINCLAIR 
DIRECTOR
On behalf of
Baseefa



13

Schedule

14

Certificate Number Baseefa03ATEX0207X/1

15 Description of Equipment or Protective System

The Type DB1 sounder comprises a cylindrical enclosure and cover manufactured from stainless steel or aluminium alloy.

The cover is provided with a sounder driver mounted internally and a non-metallic re-entrant horn mounted externally and is retained using four M6 fasteners of grade A2-70 stainless steel. The base houses two printed circuit boards and has provision for up to three tapped cable entries.

The sounder is rated up to 120V d.c. or 250V a.c., 50/60Hz, 21W.

Cable entry holes are provided as specified on the certified drawings for the accommodation of flameproof cable entry devices, with or without the interposition of a flameproof thread adapter. Unused entries are to be fitted with suitable certified flameproof stopping plugs.

The cable entry devices, thread adapters and stopping plugs shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Equipment (not a Component) under an EC-Type Examination Certificate to Directive 94/9/EC.

16 Report Number

Baseefa Certification Report GB/BAS/ExTR10.0133/00

17 Special Conditions for Safe Use

The enclosure horn is a potential electrostatic charging hazard, and should only be cleaned with a damp cloth.

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 Drawings and Documents

The drawings indicated below amalgamate the current design and previous variations, and supersede all previous issues.

Number	Sheet	Issue	Date	Description
173-548	1	A	08.06.10	General Arrangement DB1 Sounder
173-549	1	A	08.06.10	Certification Label



EC - TYPE EXAMINATION CERTIFICATE

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

- 3 EC – Type Examination Certificate Number : **Baseefa02ATEX0207**
- 4 Equipment or protective system: **A TYPE DB1 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)0295**
- 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 +55°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. **02/0295**

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 Sounder may be rated for use at up to 48V d.c. or 240V a.c. with a maximum power dissipation of up to 21W.

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)0295.

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
173-455 Sheets 1 & 2	A	25-11-02	General Arrangement, DB1 Sounder

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



1 **SUPPLEMENTRY EC - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC - Type Examination Certificate
Number: **Baseefa02ATEX0209X/1**

4 Equipment or Protective System: **A Type DB1/H Sounder**

5 Manufacturer: **Cooper MEDC Limited**

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

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa02ATEX0209** to apply to equipment or a protective system designed and constructed in accordance with the specification set out in the Schedule of this certificate and incorporates and supersedes all previous issues of the said certificate.

8 Baseefa, 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. **GB/BAS/ExTR10.0132/00**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN60079-0: 2009 EN 60079-1: 2007

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 for safe use specified in the schedule to this certificate.

11 This Supplementary EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive 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 :

⊕ II 2 G Ex d IIB T5 Tamb -20°C to + 70°C Gb

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

Baseefa Customer Reference No. **0676**

Project File No. **08/0007**

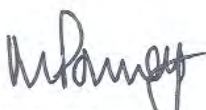
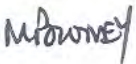
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Baseefa is a trading name of Baseefa Ltd
Registered in England No. 4305578. Registered address as above.


PP R S SINCLAIR 
DIRECTOR
On behalf of
Baseefa



13

Schedule

14

Certificate Number Baseefa03ATEX0209X/1

15 Description of Equipment or Protective System

The Type DB1/H sounder comprises a cylindrical enclosure and cover manufactured from stainless steel or aluminium alloy.

The cover is provided with a sounder driver mounted internally and a non-metallic re-entrant horn mounted externally and is retained using four M6 fasteners of grade A2-70 stainless steel. The base houses two printed circuit boards and has provision for up to three tapped cable entries.

The sounder is rated up to 120V d.c. or 250V a.c., 50/60Hz, 61W.

Cable entry holes are provided as specified on the certified drawings for the accommodation of flameproof cable entry devices, with or without the interposition of a flameproof thread adapter. Unused entries are to be fitted with suitable certified flameproof stopping plugs.

The cable entry devices, thread adapters and stopping plugs shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Equipment (not a Component) under an EC-Type Examination Certificate to Directive 94/9/EC.

16 Report Number

Baseefa Certification Report GB/BAS/ExTR10.0132/00

17 Special Conditions for Safe Use

The enclosure horn is a potential electrostatic charging hazard, and should only be cleaned with a damp cloth.

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 Drawings and Documents

The drawings indicated below amalgamate the current design and previous variations, and supersede all previous issues.

Number	Sheet	Issue	Date	Description
173-552	1	A	08.06.10	General Arrangement DB1/H Sounder
173-553	1	A	08.06.10	Certification Label



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 : **Baseefa02ATEX0209**

4 Equipment or protective system: **A TYPE DBI/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.

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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

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