

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: **Baseefa11ATEX0102X**

4 Equipment or Protective System: **Type DB10 Loudspeaker**

5 Manufacturer: **Cooper MEDC Limited**

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

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 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/ExTR011.0084/00**.

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

EN60079-0: 2009

EN60079-1: 2007

EN60079-7: 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 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 de IIC T* Ta -40°C to + **°C Gb * See Schedule

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

Baseefa Customer Reference No. **0676**

Project File No. **08/0345**

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



Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ

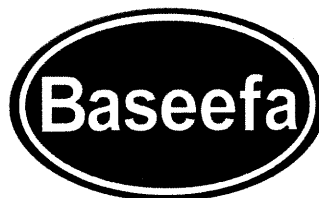
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601

e-mail info@baseefa.com web site www.baseefa.com

Baseefa is a trading name of Baseefa Ltd

Registered in England No. 4305578. Registered address as above.


R S SINCLAIR 
DIRECTOR
On behalf of
Baseefa



13

Schedule

14

Certificate Number Baseefa00ATEX0102X

15 Description of Equipment or Protective System

The DB10 Loudspeaker comprises a cylindrical body with an end cover incorporating an external long or short horn flare at one end and a plain cover at the other, all manufactured from glass reinforced polyester. The horn assembly comprises the driver and a stainless steel sinter.

The driver is potted which forms the boundary between the flameproof driver enclosure and the increased safety enclosure housing type BK4 terminals to SIRA 01ATEX3147U. Once potted the housing and horn assembly are inseparable. The increased safety enclosure may be provided with an optional transformer and an MK3 3-way terminal strip to SIRA 01ATEX3248U. Two threaded cable entries are provided in the increased safety enclosure which is provided with a seal cemented into a groove in the cover.

The speaker is rated up to 100V, 15W, and is marked:-

Ex de IIC T4 Ta -40°C to + 65°C Gb

Ex de IIC T5 Ta -40°C to + 55°C Gb

Ex de IIC T6 Ta -40°C to + 40°C Gb

Cable entry holes are provided as specified on the certified drawings for the accommodation of cable entry devices. Unused entries are to be fitted with suitable certified stopping plugs.

The cable entry devices and stopping plugs shall maintain the IP 54 rating of the equipment, 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

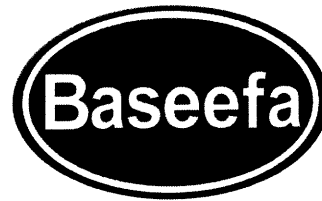
Baseefa Certification Report GB/BAS/ExTR11.0084/00.

17 Special Conditions for Safe Use

1. Not more than one single or multiple strand lead shall be connected to any terminal unless multiple conductors have been joined in a suitable manner, e.g. two conductors into a single insulated crimped boot lace ferrule.
2. Leads connected to the terminals shall be insulated for the appropriate voltage and this insulation shall extend to within 1mm of the terminal throat.
3. All terminal screws, used and unused, shall be tightened down to between 0.5Nm and 0.7Nm.
4. The terminals shall only be installed and wired with cable in an ambient temperature of -10°C to +80°C.
5. Painting and other surface finishes, other than those applied by the manufacturer, are not permitted

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

Number	Sheet	Issue	Date	Description
*353-120	1	A	15.04.11	General Assembly DB10
*353-120	2	A	15.04.11	General Assembly DB10
*353-121	1	A	23.03.11	Transformer Details 15W
*353-121	2	A	23.03.11	Transformer Details 15W
353-124	-	A	15.04.11	Certification Label – ATEX - IIC

* These drawings are common to and held with Baseefa11ATEX0101X.



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 **Baseefa11ATEX0102X/1**
Examination Certificate Number:

4 Equipment or Protective System: **Type DB10 Loudspeaker**

5 Manufacturer: **Cooper MEDC Limited**

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

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa11ATEX0102X** to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

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



Baseefa Customer Reference No. **0676**

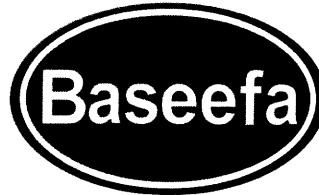
Project File No. **11/0814**

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

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site www.baseefa.com
Baseefa is a trading name of Baseefa Ltd
Registered in England No. 4305578. Registered address as above.


P R S SINCLAIR 
DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number Baseefa11ATEX0102X/1

15

Description of the variation to the Equipment or Protective System

Variation 1.1

To permit an alternative insulating resin and a change of specification of the insulating tape used on the speaker transformer.

16

Report Number

GB/BAS/ExTR11.0260/00.

17

Specific Conditions of Use

None additional to those listed previously

18

Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19

Drawings and Documents

Number	Sheet	Issue	Date	Description
353-121	1	B	24.10.11	Transformer Details 15W
353-121	2	B	24.10.11	Transformer Details 15W

These drawings are common to and held with Baseefa11ATEX0101X.

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: **Baseefa11ATEX0102X/2**

4 Equipment or Protective System: **Type DB10 Loudspeaker**

5 Manufacturer: **Cooper MEDC Limited**

6 Address: **Unit B Sutton Parkway, Oddicroft Lane, Sutton in Ashfield, NG17 5FB**

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa11ATEX0102X** to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

9 The marking of the equipment has changed from the original Certificate and shall include the following:

Ⓔ II 2 G Ex de IIC T4 ($T_{amb} = -50^{\circ}\text{C}$ to $+65^{\circ}\text{C}$) Gb or
Ex de IIC T5 ($T_{amb} = -50^{\circ}\text{C}$ to $+55^{\circ}\text{C}$) Gb or
Ex de IIC T6 ($T_{amb} = -50^{\circ}\text{C}$ to $+40^{\circ}\text{C}$) Gb

This certificate shall be held with the original certificate.

Baseefa Customer Reference No. 0676

Project File No. 14/0641

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SGS Baseefa Limited

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ

Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601

e-mail info@baseefa.com web site www.baseefa.com

Registered in England No. 4305578.

Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN

R S Sinclair
R S SINCLAIR

GENERAL MANAGER

On behalf of SGS Baseefa Limited

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Schedule

14

Certificate Number Baseefa11ATEX0102X/2

15

Description of the variation to the Equipment or Protective System

Variation 2.1

To allow minor drawing changes that do not affect certification.

Variation 2.2

To allow for a change in the lower ambient temperature range to -50°C.

16 Report Number

GB/BAS/ExTR14.0241/00 held with IECEx BAS 11.0041X.

17 Specific Conditions of Use

None additional to those listed previously

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Sheets	Issue	Date	Description
353-121*	1 of 2	C	04/08/2014	Transform Details 15W
353-121*	2 of 2	C	04/08/2014	Transform Details 15W
353-124	1	B	19/08/2014	DB10 ATEX IIC Cert Label

*These drawings are common to and held with Baseefa11ATEX0101X.

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: **Baseefa11ATEX0102X/3**

4 Equipment or Protective System: **Type DB10 Loudspeaker**

5 Manufacturer: **Cooper MEDC Limited**

6 Address: **Unit B Sutton Parkway, Oddicroft Lane, Sutton in Ashfield, NG17 5FB**

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa11ATEX0102X** to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

Baseefa Customer Reference No. **0676**

Project File No. **16/0235**

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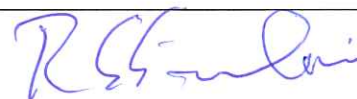
Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ

Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601

e-mail info@baseefa.com web site www.baseefa.com

Registered in England No. 4305578.

Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN



R S SINCLAIR
GENERAL MANAGER

On behalf of SGS Baseefa Limited

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Schedule

14

Certificate Number Baseefa11ATEX0102X/3

15 Description of the variation to the Equipment or Protective System

Variation 3.1

To permit a minor drawing change not affecting certification.

16 Report Number

GB/BAS/ExTR16.0113/00

17 Specific Conditions of Use

None additional to those listed previously

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
353-120	1	B	07.03.16	General Assembly – DB10 Loudspeaker - ATEX
353-120	2	B	07.03.16	General Assembly – DB10 Loudspeaker - ATEX

These drawings are common to and held with Baseefa11ATEX0101X