



SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

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

- Supplementary EC - Type Examination Certificate Number: **BAS00ATEX2031/4**
- Equipment or Protective System: **A Type XB9 Xenon Beacon**
- Manufacturer: **Cooper MEDC Limited**
- Address: **Colliery Road, Pinxton, Nottingham, NG16 6JF**
- This supplementary certificate extends EC - Type Examination Certificate No. **BAS00ATEX2031** 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.
- 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 original certificate was issued by The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. Baseefa, Notified Body Number 1180, is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate it has issued.
- The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR10.0261/00**.
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN60079-0: 2009** **EN60079-1: 2007**
- 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 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.
- The marking of the equipment or protective system shall include the following :

 **II 2 G Ex d IIC T5 Ta -55°C to + 55°C Gb or Ex d IIC T6 Ta -55°C to + 40°C Gb**

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

Baseefa Customer Reference No. **0676**

Project File No. **07/1046**

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.

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



13 **Schedule**

14 **Certificate Number BAS00ATEX2031/4**

15 **Description of the variation to the Equipment or Protective System**

Variation 4.1

The Type XB9 Xenon Beacon comprises a cylindrical enclosure base and cover manufactured from glass reinforced polyester. The threaded cover is fitted with a wellglass which is provided with a wire guard.

The enclosure houses a printed circuit board to which is attached a xenon tube, various electronic circuits to suit the supply voltage and supply cable terminals.

The beacons are rated up to 48V d.c. or 254V a.c., 50/60Hz, 15W.

The temperature classification and ambient temperature range are indicated below.

Model	Temperature Classification and Ambient Temperature Range
XB9	T5 (Tamb -55°C to + 55°C)
	T6 (Tamb -55°C to + 40°C)

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/ExTR10.0261/00 held with IECEx BAS 10.0261.

17 **Special Conditions for Safe Use**

None.

18 **Essential Health and Safety Requirements**

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

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
227-178	1	A	21.12.10	General Assembly – XB9 Beacon
227-179	1	A	21.12.10	Certification Label



EC-TYPE EXAMINATION CERTIFICATE

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

EC-Type Examination Certificate Number : **BAS00ATEX2031**

Equipment or Protective System: **TYPE XB9 XENON BEACON**

Manufacturer: **MEDC**

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°

BASEEFA Certification Report 99(C)0834 dated 2 February 2000

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

EN 50014: 1997 + Amendments 1 and 2

EN 50018: 1994

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:-



**EEx d IIC T5 (T_{amb} = -55°C to +55°C) or
T6 (T_{amb} = -55°C to +40°C)**

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

File No: EECS 0676/01/343

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
Health and Safety Executive
Harpur Hill, Buxton, Derbyshire. SK17 9JN. United Kingdom
Tel: 01298 28000 Fax: 01298 28244



I M CLEARE
DIRECTOR
10 February 2000



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Schedule

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EC-TYPE EXAMINATION CERTIFICATE N° BAS00ATEX2031

15

Description of Equipment or Protective System

The Type XB9 Xenon Beacon may be rated from 12V d.c. to 254V a.c. with a maximum internal dissipation of 15W, and comprises a cylindrical enclosure, manufactured in glass reinforced polyester with a borosilicate wellglass cemented into the centre of the cover and retained by a circlip. The wellglass may be protected by an optional wire guard arrangement fixed to the cover.

The cover is screwed into the body shell and is then prevented from rotating by a grub screw.

The interior of the enclosure comprises a printed circuit board (PCB) assembly incorporating a xenon tube and control electronics. In addition a 2 way terminal block rated up to 25A is mounted on the PCB assembly.

To obviate the risk of hotspots and capacitor energy storage associated with the Type XB9 Xenon Beacon the enclosure must not be opened, even when isolated, when a flammable atmosphere is present. The cover of each and every enclosure is marked with this information.

Internal earthing facilities are provided alongside the internal component connections.

An external earthing facility is fitted to the base of the unit.

One M20 cable entry is provided in the end wall of the enclosure for the accommodation of a suitable BASEEFA certified flameproof cable entry device, with or without the interposition of a suitable BASEEFA certified flameproof thread adaptor. Suitable flameproof cable entry devices and thread adaptors certified as Equipment (not a Component) under an EC-Type Examination Certificate to Directive 94/9/EC may also be used in the manner indicated above.

This apparatus is to be installed and used in accordance with the appropriate codes of practice and the manufacturer's instructions.

This certification is to European Directive 94/9/EC only. Functional performance and compliance with other European directives is the responsibility of the equipment manufacturer and/or the user as appropriate.

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Report Nos.

BASEEFA Certification Report No. 99(CI)0834

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Special Conditions For Safe Use

None



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EC-TYPE EXAMINATION CERTIFICATE N° BAS00ATEX2031

18

Essential Health and Safety Requirements

Essential Health & Safety Requirements not covered by Standards listed at (9)		
Clause	Subject	Compliance
1.0.2	Analysis of possible operating faults	BASEEFA Report No. 99(CI)0834
1.0.3	Special checking and maintenance conditions	No special requirements
1.0.6	Instructions	BASEEFA Report No. 99(CI)0834
1.2.2	Components for incorporation or replacement	Manufacturer's Instructions
1.2.4	Dust deposits	Certification for gas atmospheres only
1.2.5	Additional means of protection	Not applicable
1.2.7	Protection against other hazards	BASEEFA Report No. 99(CI)0834
1.3.5	Hazards arising from pressure compensation	Not applicable
1.5	General requirements for safety devices	Not applicable
1.6.1	Manual override	Not applicable
1.6.2	Emergency shutdown	Not applicable
1.6.3	Hazards arising from power failure	Not applicable
1.6.5	Placing of warning devices as parts of equipment	Not applicable
2.0	Category M	Not applicable
2.1	Category 1	Not applicable
2.2.1	Category 2G	BASEEFA Report No. 99(CI)0834
2.2.2	Category 2D	Not applicable
2.3	Category 3	Not applicable
3.	Requirements for protective systems	Not applicable

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DRAWING

Number	Issue	Date	Description
227-129	A	8.11.99	General Arrangement, Type XB9 Xenon Beacon

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

BASEEFA List Keywords
2WELLLUM



SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

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

- 3 Supplementary EC - Type Examination Certificate Number: **BAS00ATEX2031/1**
- 4 Equipment or Protective System: **TYPE XB9 XENON BEACON**
- 5 Manufacturer: **MEDC**
- 6 Address: **Pinxton Roads, Nottingham, NG16 6JF**
- 7 This supplementary certificate extends EC - Type Examination Certificate No. **BAS00ATEX2031** 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.

The original certificate was issued by The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. Baseefa (2001) Ltd., Notified Body Number 1180, is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate it has issued.

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Baseefa Customer Reference No. 0676

Project File No. 06/0634

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On behalf of
Baseefa (2001) Ltd.



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Schedule

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Certificate Number BAS00ATEX2031/1

15 Description of the variation to the Equipment or Protective System

Variation 1.1

Deletion of the optional lamp guard with the subsequent fitting of a permanently fixed lamp guard to all XB9 Xenon Beacons

16 Report Number

06(C)0634

17 Special Conditions for Safe Use

None

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
227 - 129	1 of 1	B	04-09-06	Certification GA XB9 XENON BEACON



- 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 See Schedule
Number:
- 4 Equipment or protective system: See Schedule
- 5 Manufacturer: MEDC
- 6 Address: Colliery Road, Pinxton, Nottingham, NG16 6JF
- 7 This supplementary certificate extends the EC - Type Examination Certificates listed in the Schedule to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedules of the said Certificates but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

A copy of this Supplementary Certificate shall be attached to each of the original Certificates.

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

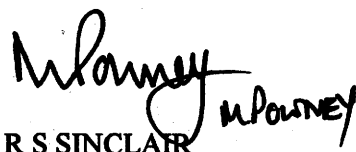
Baseefa Customer Reference No. 0676

Project File No. 07/0181

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On behalf of
Baseefa (2001) Ltd.



Schedule

Description of the variation to the Equipment or Protective System

To permit the use of epoxy or acrylic paint processes on the products detailed below.

Certificate No.	Supplement No.	Equipment Type
BAS99ATEX2195X	5	XBII
BAS99ATEX2196	5	XB12,FB12,TH12,FL12,
BAS00ATEX2031	2	XB9
BAS00ATEX2097X	9	DB3, DB3L, DB4, DB4L
BAS00ATEX2098X	9	DB3E, DB3E, DB4, DB4E
BAS00ATEX2204X	1	XB10
BAS00ATEX2226X	1	XB10E
BAS02ATEX2086X	5	DB10
BAS02ATEX2105X	4	BGE, PBE
Baseefa03ATEX0084X	2	BG1, PB1
Baseefa04ATEX0009X	3	XB15, FB15, FL15, LD15, TH15
Baseefa04ATEX0166X	2	DB16 IIB
Baseefa04ATEX0167X	2	DB16 IIC
Baseefa05ATEX0198X	1	DB20 IIB
Baseefa05ATEX0199X	1	DB20 IIC

Report No.

None

Special Conditions for Safe Use

None additional to those listed previously

Essential Health and Safety Requirements

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

Drawings and Documents

Number	Issue	Date	Description
122-808	1	05/03/07	Addition of Optional Acrylic Paint to Products Listed.



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 See Schedule
Number:**

4 Equipment or protective system: See Schedule

5 Manufacturer: MEDC Limited

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

7 This supplementary certificate extends the EC - Type Examination Certificates listed in the Schedule to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedules of the said Certificates but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

A copy of this Supplementary Certificate shall be attached to each of the original Certificates.

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Baseefa Customer Reference No. 0676

Project File No. 08/0067

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**DIRECTOR
On behalf of
Baseefa (2001) Ltd.**



Schedule

Description of the variation to the Equipment or Protective System

Alternative certification label wording for the units listed below and as on the scheduled drawings.

Certificate No.	Supplement No.	Equipment Type
BAS00ATEX2031	3	Type XB9 Xenon Beacon
BAS00ATEX2097X	10	Type DB3 Sounder and DB4 Speaker Units
BAS00ATEX2204X	2	Type XB10 Beacon
Baseefa02ATEX0224X	6	Type XB4 Xenon Beacon
BAS02ATEX2086X	6	Type DB10 Loudspeaker Units
Baseefa03ATEX0222	4	Type SM87 HXB & SM87 LED Beacons
Baseefa04ATEX0166X	3	Type DB16 IIB Speaker Unit

Report No.

None

Special Conditions for Safe Use

None additional to those listed previously

Essential Health and Safety Requirements

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

Drawings and Documents

Number	Sheet	Issue	Date	Description
227-173	-	A	28-01-08	Type XB9 Xenon Beacon
219-833	-	A	28-01-08	Type DB3 Sounder Units
199-519	-	A	28-01-08	Type DB4 Speaker Units
228-210	-	A	28-01-08	Type XB10 Beacon
188-625	-	A	28-01-08	Type XB4 Xenon Beacon
253-154	-	A	07-01-08	Type DB10 Loudspeaker Units
562-661	-	A	28-01-08	Type SM87 HXB Xenon Beacon
562-662	-	A	28-01-08	Type SM87 LED Beacon
286-145	-	A	07/01/08	Type DB16 IIB Speaker Unit

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: BAS00ATEX2031/5
- 4 Equipment or Protective System: A Type XB9 Xenon Beacon
- 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. BAS00ATEX2031 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.

EN60079-0: 2009

EN60079-7: 2007

This supplementary certificate shall be held with the original certificate.

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Baseefa Customer Reference No. 0676

Project File No. 13/0734

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SGS Baseefa Limited

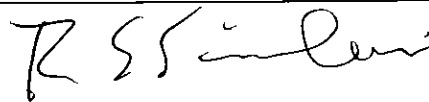
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R S SINCLAIR

GENERAL MANAGER

On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number BAS00ATEX2031/5**

15 **Description of the variation to the Equipment or Protective System**

Variation 5.1

To permit an increase the maximum DC voltage from 48V to 60V.

16 **Report Number**

IECEX BAS ExTR 13.0222/00.

17 **Specific Conditions of Use**

None

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
227-178	1	B	03.09.13	ATEX Certification GA XB9 Beacon