



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX BAS 11.0083X** issue No.: **0**

 Certificate history:

Status: **Current**

Date of Issue: **2011-07-28** Page 1 of 3

Applicant: **Cooper MEDC Limited**
Colliery Road
Brookhill Industrial Estate
Pinxton
Nottingham
NG16 6JF
United Kingdom

Electrical Apparatus: **A DB4 Speaker and a DB3 Sounder**
Optional accessory:

Type of Protection: **Flameproof and Dust Protected**

Marking: **Ex d IIC T* Ta -**°C to + **°C Gb**
Ex tb IIIC T°C Ta -**°C to + **°C Db IP6X**

Approved for issue on behalf of the IECEx Certification Body: **R S Sinclair**

Position: **Managing Director**

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Baseefa
Rockhead Business Park
Staden Lane
Buxton
Derbyshire
SK17 9RZ
United Kingdom





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Manufacturer: **Cooper MEDC Limited**
Colliery Road
Brookhill Industrial Estate
Pinxton
Nottingham
NG16 6JF
United Kingdom

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6

IEC 60079-31 : 2008 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
Edition: 1

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[GB/BAS/ExTR11.0147/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0023/03](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The DB4 Speaker and Variants, the DB3 Sounder and Variants each comprise a cylindrical enclosure complete with an external horn flare manufactured in glass reinforced polyester.

The enclosure has the option of either a long or short flare arrangement, each permanently fixed to the cylindrical enclosure body to form the flameproof enclosure. A sinter is mounted internally at the centre of each horn flare to facilitate the transmission of sound energy.

The other end of the body is closed by a flat cover which is secured by 6 off M5 x 25mm stainless steel socket head cap screws grade A2-70, A4-70 or A4-80. Each screw may optionally be machined to provide retention within the counterbores of the cover.

End of line resistors may be incorporated.

See Annex for full details

CONDITIONS OF CERTIFICATION: YES as shown below:

1. This equipment is not suitable for use in atmospheres containing carbon disulphide.
2. Painting and surface finishes, other than those applied by the manufacturer, are not permitted
3. When used in a dust atmosphere the cable entries and stopping plugs must maintain the IP6X rating of the enclosure

Annexe: [IECEX BAS 11.0083X Annex.doc](#)