



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** **Baseefa04ATEX0330**
Certificate Number:

4 **Equipment or Protective System:** **Noise doseBadge CR:110AIS**

5 **Manufacturer:** **Cirrus Research plc.**

6 **Address:** **Hunmanby, North Yorkshire, YO14 0PH**

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 (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. 04(C)0680

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

EN 50014: 1997 + Amd 1 & 2

EN 50020: 2002

EN 60079-26: 2004

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 1 G EEx ia IIC T4 (-20°C ≤ T_a ≤ +40°C)

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

Baseefa Customer Reference No. 4323

Project File No. 04/0680

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.

Baseefa

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Baseefa is a trading name of Baseefa (2001) Ltd
Registered in England No. 4305578 at the above address

R S SINCLAIR

DIRECTOR

On behalf of

Baseefa (2001) Ltd.



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: **Baseefa04ATEX0331X**

4 Equipment or Protective System: **Noise doseBadge CR:110AIS**

5 Manufacturer: **Cirrus Research plc.**

6 Address: **Hunmanby, North Yorkshire, YO14 0PH**

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The examination and test results are recorded in confidential Report No. 04(C)0680

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

EN 50014: 1997 + Amd 1 & 2

EN 50020: 2002


EN 50303: 2000

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

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

 **IM1 EEx ia I (-20°C ≤ T_a ≤ +40°C)**

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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 06.0084

Issue No.: 0

Status: Current

Date of Issue: 2007-01-17

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Applicant: Cirrus Research plc
Hunmanby,
North Yorkshire,
YO14 0PH
United Kingdom

Electrical Apparatus: Noise doseBadge CR:110AIS
Optional accessory:

Type of Protection: Intrinsic Safety

Marking: Ex ia IIC T4
(-20°C ≤ T_a ≤ +60°C)


Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Managing Director

Signature:
(for printed version)


23-1-07

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 (2001) Ltd.

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





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 06.0083X

Issue No.: 0

Status: Current

Date of Issue: 2007-01-17

Page 1 of 3

Applicant: Cirrus Research plc
Hunmanby,
North Yorkshire,
YO14 0PH
United Kingdom

Electrical Apparatus: Noise doseBadge CR:110AIS
Optional accessory:

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Certificate issued by:

Baseefa (2001) Ltd.

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



FM Approvals
1151 Boston Providence Turnpike
P.O. Box 9102 Norwood, MA 02062 USA
T: 781 762 4300 F: 781-762-9375 www.fmapprovals.com



CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

CR:110AIS Noise Dosimeter

IS / I / 1 / ABCD / T4 Ta = 60°C; IP54

I / 0 / AEx ia IIC / T4 Ta = 60°C; IP54

Special Conditions of Use

1. *The Sealing Base Plate must be fitted to the charging socket in service, to ensure that a degree of protection against the ingress of dust and moisture of at least IP54 is maintained.*

Equipment Ratings:

Intrinsically safe for Class I, Division 1, Groups A, B, C and D and Class I, Zone 0, Group IIC.
Temperature Class T4 with a maximum ambient temperature of 60°C. Ingress protection IP54

FM Approved for:

Cirrus Research plc
Hunmanby
North Yorkshire
United Kingdom YO14 0PH



This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	1998
Class 3610	2007
Class 3810	2005
ANSI/ISA 60079-0	1999
ANSI/ISA 60079-11	2002
NEMA 60529	2004


Original Project ID: 3038456

Approval Granted: *15 April 2010*

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC


Robert L. Martell, Jr.
Assistant Vice President

April 15, 2010
Date

Appendix 3 EC Declaration of Conformity



Manufacturer's name: Cirrus Research plc
Manufacturer's address: Bridlington Road, Hunmanby, YO14 0PH, North Yorkshire, UK.
Product description: Personal Sound Exposure Meter
Product name: Noise DoseBadge
Product Number: CR:110AIS

Directive 94/9/EC ATEX

Provisions of the Directive fulfilled by the Equipment:

Group I Category 1M Ex ia I
Group II Category 1G Ex ia IIC T4

Notified Body for EC-type Examination:

Baseefa 1180 Buxton UK

EC-Type examination certificates:

Baseefa04ATEX0330 - latest supplement Baseefa04ATEX0330/3 issued 08 June 2007
Baseefa04ATEX0331X - latest supplement Baseefa04ATEX0331X/3 issued 08 June 2007

Notified Body for production:

Baseefa 1180 Buxton UK

Harmonised Standards used:

EN 50303: 2000

EN 50014:1997/A1:1999 & /A2:1999 (A review against EN 60079-0:2006 which is due to be harmonised and is "State of the Art" shows no significant changes relevant to this equipment)

EN 50020: 2002 (A review against EN 60079-11:2007 which is due to be harmonised and is "State of the Art" shows no significant changes relevant to this equipment)

Other Standards and Specifications used:

EN 60079-26: 2004 (A review against EN 60079-26:2007 which is due to be harmonised and is "State of the Art" shows no significant changes relevant to this equipment)

Directive (Dec 2004) 2004/108/EC EMC

Harmonised standards used:

EN 61000-6-3: 2001
EN 61000-6-1 :2001 with minor amendments as specified in following standard
EN 61252:1997/A1:2001 (Electroacoustics. Specifications for personal sound exposure meters)

The user manual also contains details of IECEX and other non-EU specific approvals held.

On behalf of the above named company, I declare that, on the date the equipment accompanied by this declaration is placed on the market, the equipment conforms with all technical and regulatory requirements of the above listed directives.

Mr S.T.O'Rourke
Engineering Director
22nd April 2008