

1 **EU - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**

3 EU - Type Examination Certificate **Baseefa10ATEX0089X – Issue 2**
Number:

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

4 Product: **An Auxiliary Junction Box**

5 Manufacturer: **Crowcon Detection Instruments Limited**

6 Address: **172 Brook Drive, Milton Park, Abingdon, OX14 4SD**

7 This re-issued certificate extends EC Type Examination Certificate No. Baseefa10ATEX0089 to apply to product 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.

8 SGS Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products 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. **See Certificate History**

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

EN 60079-0: 2012 + A11: 2013 EN 60079-1: 2014 EN 60079-31: 2014

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 product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following :

⊕ II GD Ex db IIC T6 Gb (-40°C ≤ Ta ≤ +50°C)
Ex db IIC T4 Gb (-40°C ≤ Ta ≤ +80°C)
Ex tb IIIC T85°C Db (-40°C ≤ Ta ≤ +50°C) IP6X
Ex tb IIIC T115°C Db (-40°C ≤ Ta ≤ +80°C) IP6X

SGS Baseefa Customer Reference No. **0249**

Project File No. **16/0619**

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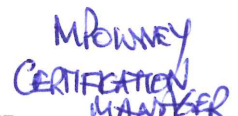
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R S SINCLAIR
TECHNICAL MANAGER

On behalf of SGS Baseefa Limited


M DOWNEY
CERTIFICATION MANAGER

13 **Schedule**

14 **Certificate Number Baseefa10ATEX0089X – Issue 2**

15 **Description of Product**

The auxiliary junction box comprises a stainless steel enclosure with a threaded cover and bosses for three cable entries. One of the bosses is provided with a thread adaptor.

The enclosure contains five printed circuit board mounted terminals.

The junction box is rated up to 32V, 10W.

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).

16 **Report Number**

See Certificate History

17 **Specific Conditions of Use**

1. The minimum number of threads engaged (eight) is more than the relevant minimum (five) as required by EN 60079-1, in the event of any damage to the thread the user must contact the manufacturer.

18 **Essential Health and Safety Requirements**

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject	Compliance
1.4.1	External effects	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions
1.4.2	Aggressive substances, etc.	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions

19 **Drawings and Documents**

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
6490-CERT	1	5	22.09.10	Crowcon Auxiliary Junction Box (ATEX)
4764	1	04	15.09.17	Certification Label

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
6491	1	2	Jan-09	Thread Adaptor

All drawings are common to and held with IECEx BAS10.0048X.

20 Certificate History

Certificate No.	Date	Comments
Baseefa10ATEX0089	20 May 2010	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0:2009, EN 60079-1:2007 and IEC 60079-31:2008. The associated assessment is recorded in Test Report Number GB/BAS/ExTR10.0077/00. Project File 10/0253.
Baseefa10ATEX0089/1	25 October 2010	To permit the reformatting of certification drawings. No changes to the design were made. Test Report Number GB/BAS/ExTR10.0245/00. Project File 10/0253.
Baseefa10ATEX0089 - Issue 2	6 February 2018	This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate and confirms the current design meets the updated requirements of EN 60079-0:2012+A11:2013, EN 60079-1:2014 and EN 60079-31:2014 including the revision of the equipment marking in accordance with these standards. The associated assessment is recorded in Test Report Number GB/BAS/ExTR16.0246/00. Project File 16/0619.
For drawings applicable to each issue, see original of that issue.		



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: **Baseefa10ATEX0089/1**

4 Equipment or Protective System: **An Auxiliary Junction Box**

5 Manufacturer: **Crowcon Detection Instruments Limited**

6 Address: **2 Blacklands Way, Abingdon Business Park,
Abingdon, Oxfordshire, OX14 1DY**

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa10ATEX0089** 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. **0249**

Project File No. **10/0790**

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.


PP R S SINCLAIR 
DIRECTOR
On behalf of
Baseefa



13

Schedule

14

Certificate Number Baseefa10ATEX0089/1

15

Description of the variation to the Equipment or Protective System

Variation 1.1

To permit the reformatting, and therefore up issue, of the certification drawings. The physical design of the Auxiliary Junction Box is not altered in any way.

16

Report Number

Baseefa Certification Report GB/BAS/ExTR10.0245/00

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
6490-CERT	1 of 1	4	22/09/2010	General Assembly, Auxiliary Junction Box

This drawing is common to IECEx BAS 10.0048 and is held with that certificate.



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: **Baseefa10ATEX0089**

4 Equipment or Protective System: **An Auxiliary Junction Box**

5 Manufacturer: **Crowcon Gas Detection Instruments Limited**

6 Address: **Abingdon Oxfordshire, OX14 1DY**

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/ExTR10.0077/00**

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

EN 60079-0: 2009 EN 60079-1: 2007 IEC 60079-31: 2008

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 2GD See description for further codes.

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

Baseefa Customer Reference No. **0249**

Project File No. **10/0253**

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



13

Schedule

14

Certificate Number Baseefa10ATEX0089

15 Description of Equipment or Protective System

The auxiliary junction box comprises a stainless steel enclosure with a threaded cover and bosses for three cable entries. One of the bosses is provided with a thread adaptor.

The enclosure contains five printed circuit board mounted terminals.

The junction box is rated up to 32V 10W, and coded:-

Ex d IIC T6 Ta -40°C to + 50°C Gb

Ex tb IIIC T85°C Ta -40°C to + 50°C Db IP6X

Ex d IIC T4 Ta -40°C to + 80°C Gb

Ex tb IIIC T115°C Ta -40°C to + 80°C Db IP6X

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 adaptor. Unused entries are to be fitted with suitable certified flameproof stopping plugs.

The cable entry devices, thread adaptors 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/ExTR10.0077/00

17 Special Conditions for Safe Use

None.

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
6490-CERT	1	3	May10	General Assembly
6491	1	2	Jan-09	Thread Adaptor
4764-CERT	-	2	15.04.10	Certification Label