

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: **Baseefa08ATEX0221X/2**
4 Equipment or Protective System: **Type IREX Gas Detector**
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. Baseefa08ATEX0221X 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.

8 Item 9 of the original Certificate is replaced by “Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN60079-0:2012 EN60079-1:2007

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

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

⊕ II 2G Ex d IIB +H₂ T6 Gb (T_{amb} = - 40°C to + 50°C) or

⊕ II 2G Ex d IIB +H₂ T4 Gb (T_{amb} = - 40°C to + 75°C)

This certificate shall be held with the original certificate and may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. 0249

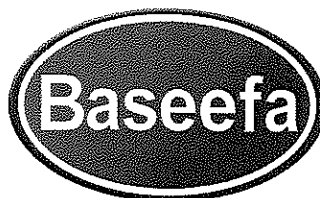
Project File No. 12/1009

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.

P R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

14

Certificate Number Baseefa08ATEX0221X/2

15 Description of the variation to the Equipment or Protective System

Variation 2.1

The equipment covered by this certificate has been reviewed against the additional design and test requirements of EN 60079-0: 2012 and compliance is confirmed.

Variation 2.2

The unit is to be marked with the following amended coding:-

⊕ II 2G Ex d IIB +H₂ T6 Gb (T_{amb} = - 40°C to + 50°C) or

⊕ II 2G Ex d IIB +H₂ T4 Gb (T_{amb} = - 40°C to + 75°C)

Variation 2.3

Minor additional label wording.

16 Report Number

GB/BAS/ExTR13.0008/00

17 Special Conditions for Safe Use

None additional to those listed previously

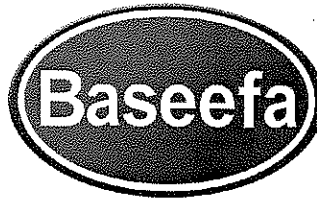
18 Essential Health and Safety Requirements

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

19 Drawings and Documents

Number	Sheet	Issue/Revision	Date	Description
5976-CERT*	1	10	26 Feb 13	IREX Assembly
6622-CERT*	-	03	26/02/2013	IREX ATEX/IECEX Certification Label

*These drawings are common to and held with IECEX BAS 08.0071X.



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 **Baseefa08ATEX0221X/1**
Examination Certificate Number:

4 Equipment or Protective System: **Type IREX Gas Detector**

5 Manufacturer: **Crowcon Detection Instruments Limited**

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

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0134X 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. **08/0804**

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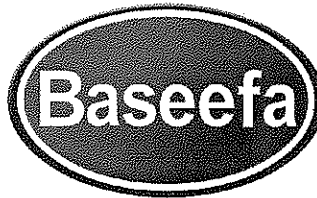
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Baseefa is a trading name of Baseefa Ltd

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


R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number Baseefa08ATEX0221X/1

15 Description of the variation to the Equipment or Protective System

Variant 1.1

Introduction of an alternative, cast and then machined, stainless steel housing.

16 Report Number

Report No. GB/BAS/ExTR08.0249/00

17 Special Conditions for Safe Use

None additional to those listed previously

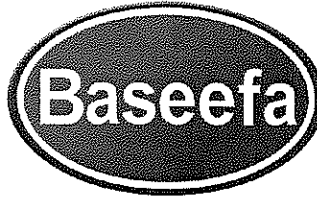
18 Essential Health and Safety Requirements

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

19 Drawings and Documents

Number	Issue	Date	Description
5976-CERT	8	03-NOV-08	IREX Top Level Assembly

This drawing is common to both IECEx BAS 08.0071X and Baseefa08ATEX0221X and held with the former.



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: **Baseefa08ATEX0221X**

4 Equipment or Protective System: **Type IREX Gas Detector**

5 Manufacturer: **Crowcon Detection Instruments Limited**

6 Address: **2 Blacklands Way, 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/ExTR 08.0147/00

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

EN 60079-0: 2006

EN 60079-1: 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 2G Ex d IIB +H₂ T6 (T_{amb} = - 40°C to + 50°C) or II 2G Ex d IIB +H₂ T4 (T_{amb} = - 40°C to + 75°C)

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

Baseefa Customer Reference No. **0249**

Project File No. **08/0236**

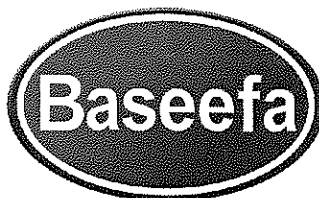
This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.


PP D BREARLEY

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Schedule

14

Certificate Number Baseefa08ATEX0221X

15 Description of Equipment or Protective System

The Type IREX Gas Detector comprises a stainless steel rear housing with a bolt-on stainless steel endplate. A detector window is fitted to the front of the housing and is clamped in place. The housing contains an optics and stacked PCB assembly.

The sensor is rated up to 32V, 5W.

A cable entry hole is provided as specified on the certified drawings for the accommodation of a flameproof cable entry device, with or without the interposition of a flameproof thread adapter.

The cable entry device and thread adapter 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

IECEX Report GB/BAS/ExTR 08.0147/00

17 Special Conditions for Safe Use

1. The equipment must be earthed using the cable gland and steel armoured cable.

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
5976-CERT*	1	8	03-NOV-08	IREX Assembly
6622-CERT*	-	2	11/08	IREX ATEX/IECEX Certification Label
6634-CERT*	-	2	03/11/08	Serial Number/Year of Manufacture Labels

*These drawings are common to and held with IECEX BAS 08.0071X.