



EC-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use
in Potentially explosive atmospheres
Directive 94/9/EC

EC-Type Examination Certificate Number : **BAS98ATEX2165X**

Equipment or Protective System: **SEARCHLINE EXCEL INFRARED GAS DETECTOR,
TRANSMITTER AND RECEIVER UNITS**

Manufacturer: **ZELLWEGER ANALYTICS LTD**

Address: **Hatch Pond House, 4 Stinsford Road, Nuffield Estate, Poole, Dorset, BH17 0RZ**

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 No. 97(C)0932 dated 13 July 1998

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

EN50014: 1997


EN50018: 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:-

 II 2 G EEx d IIC T6 ($T_{amb} = -40^{\circ}\text{C}$ to $+40^{\circ}\text{C}$)
or EEx d IIC T5 ($T_{amb} = -40^{\circ}\text{C}$ to $+65^{\circ}\text{C}$)

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

File No: EECS 0981/01/020

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



P I M CLEARE
DIRECTOR
16 July 1998



Schedule

EC-TYPE EXAMINATION CERTIFICATE N° BAS98ATEX2165X

Description of Equipment or Protective System

The Searchline Excel Infrared Gas Detector, Transmitter & Receiver Units are rated from 18V to 32V with a maximum power dissipation of 10 watts. Both units comprise a cylindrical enclosure manufactured in stainless steel with a mounting lug cast onto the side. The enclosure cover includes a toughened glass window and an optional integral weather cowl. The cover is secured by 2 off high tensile steel socket head cap screws of grade 12.9.

The rear section incorporates integral connection cables and a female thread for connection to conduit and suitable terminal facilities. The interior of the enclosure may be in the form of a transmitter or receiver unit dependant on the internal component configuration.

The transmitter unit contains a mirror assembly, a window heater, two printed circuit boards (PCB's), a support plate and a filter/connection PCB.

The receiver unit contains an optical block assembly, a window heater, three printed circuit boards (PCB's), a support plate and a filter/connection PCB.

Internal earthing is by means of the supply cable and external earth connection facilities are provided adjacent to the cable entry.

This apparatus is to be used as described in the Zellweger Technical Handbook No. MAN0530.PM6

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.

Report Nos.

BASEEFA Certification Report No. 97(C)0932 dated 13 July 1998

Special Conditions For Safe Use

1. The integral supply cables must be mechanically protected and terminated in a suitable terminal or junction facility.
2. The cover fixing screws shall be grade 12.9 minimum.

Essential Health and Safety Requirements

Essential Health & Safety Requirements not covered by Standards listed at (9)		
ESR	Subject	Compliance Report
1.0.2	Analysis of possible operating faults	BASEEFA Report No. 97(C)0932
1.0.3	Special checking and maintenance conditions	Not applicable



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Schedule

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EC-TYPE EXAMINATION CERTIFICATE N° BAS98ATEX2165X

Essential Health & Safety Requirements not covered by Standards listed at (9)		
Clause	Subject	Compliance
1.0.6	Instructions	BASEEFA Report No. 97(C)0932
1.2.2	Components for incorporation or replacement	Not applicable
1.2.4	Dust deposits	Not applicable
1.2.5	Additional means of protection	Not applicable
1.3.5	Hazards arising from pressure compensation	Not applicable
1.4.2	Withstanding attack by aggressive substances	BASEEFA Report No. 97(C)0932
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. 97(C)0932
2.2.2	Category 2D	Not applicable
2.3	Category 3	Not applicable
3	Requirements for protective Systems	Not applicable

19 DRAWINGS

<u>Number</u>	<u>Issue</u>	<u>Date</u>	<u>Description</u>
2104E0051	7	9.7.98	General Arrangement, Searchline Excel Infrared Gas Detector, Transmitter
2104E0053	7	9.7.98	General Arrangement, Searchline Excel Infrared Gas Detector, Receiver
2104E0054	5	2.7.98	Enclosure Detail, Casing
2104E0055	5	2.7.98	Enclosure Detail, Cover

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BASEEFA List Keywords
2GASDETE



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: **BAS98ATEX2165X/1**

Equipment or Protective System: **SEARCHLINE EXCEL INFRARED GAS DETECTOR,
TRANSMITTER AND RECEIVER UNITS**

Manufacturer: **ZELLWEGER ANALYTICS LTD**

Address: **Hatch Pond House, 4 Stinsford Road, Nuffield Estate, Poole, Dorset, BH17 0RZ**

This supplementary certificate extends EC-Type Examination Certificate No. BAS98ATEX2165X 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.

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File No: EECS 0981/01/020

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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
19 October 1998



Schedule

SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE N° BAS98ATEX2165X/1

Description of the Variation to the Equipment or Protective System

VARIATION 1.1

Alternative method of internal connection, with an input/output PCB replacing the support plate and minor modifications to the filter/connection PCB.

Report Nos.

Not applicable.

Special Conditions For Safe Use

As original certificate.

Essential Health and Safety Requirements

See original certificate.

DRAWINGS

Number	Sheet	Issue	Date	Description
2104E0051	1 of 1	8	07.10.98	General Arrangement, Searchline Excel Infrared Transmitter
2104E0053	1 of 1	8	07.10.98	General Arrangement, Searchline Excel Infrared Receiver
2104E0054	1 of 1	6	07.10.98	Enclosure Detail, Casing

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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: **BAS98ATEX2165X/2**

4 Equipment or Protective System: **SEARCHLINE EXCEL INFRARED GAS DETECTOR,
TRANSMITTER AND RECEIVER UNITS**

5 Manufacturer: **ZELLWEGER ANALYTICS LTD**

6 Address: **Hatch Pond House, 4 Stinsford Road, Nuffield Estate, Poole, Dorset, BH17 0RZ**

7 This supplementary certificate extends EC-Type Examination Certificate No. BAS98ATEX2165X 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.

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File No: EECS 0981/01/020

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Electrical Equipment Certification Service
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I M CLEARE
DIRECTOR
10 August 1999



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Schedule

14

EC-TYPE EXAMINATION CERTIFICATE N° BAS98ATEX2165X/2

Description of the Variation to the Equipment or Protective System

VARIATION 2.1

Addition of a raised rib along the spine of the enclosure, together with an increase to the maximum permitted surface finish of the machined parts.

VARIATION 2.2

Permits the optional use of stainless steel cover fixing screws of grade A2-80 or A4-80.

VARIATION 2.3

Minor modifications to internal electronics assembly.

VARIATION 2.4

Alternative label material.

Report No.

Not applicable.

SPECIAL CONDITIONS FOR SAFE USE

As original certificate and in addition:

As an alternative to the steel grade 12.9 screws specified in Special Condition No. 2, the cover fixing screws may now be stainless steel grade A2-80 or A4-80.

Essential Health and Safety Requirements

As original certificate.

DRAWINGS

Number	Issue	Date	Description
2104E0051	9	16.4.99	General Arrangement, Transmitter
2104E0053	9	22.4.99	General Arrangement, Receiver
2104E0054	8	7.6.99	Enclosure Detail, Casing
2104E0055	6	7.6.99	Enclosure Detail, Cover

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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: **BAS98ATEX2165X/3**

4 Equipment or Protective System: **SEARCHLINE EXCEL INFRARED GAS DETECTOR,**
TRANSMITTER AND RECEIVER UNITS

5 Manufacturer: **ZELLWEGER ANALYTICS LTD**

6 Address: **Hatch Pond House, 4 Stinsford Road, Nuffield Estate, Poole, Dorset, BH17 0RZ**

7 This supplementary certificate extends EC-Type Examination Certificate No. BAS98ATEX2165X 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.

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File No: EECS 0981/01/020

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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
13 September 2000



13

Schedule

14 **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE N° BAS98ATEX2165X/3**

Description of the Variation to the Equipment or Protective System

VARIATION 3.1

Alternative front cover/window assembly, without sunshade and incorporating mounting lugs, together with minor internal changes to form

The Searchline Excel Duct Mounting Infra red Transmitter and Receiver Units.

Report No.

00(C)0380

Special Conditions For Safe Use

See original certificate.

Essential Health and Safety Requirements

See original certificate.

DRAWINGS

Number	Issue	Date	Description
2104E0601	2	12.05.00	General Arrangement, Duct Mounting Transmitter
2104E0602	1	16.03.00	General Arrangement, Duct Mounting Receiver
2104E0603	2	12.05.00	Detail, Front cover

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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: **BAS98ATEX2165X/4**

4 Equipment or Protective System: **SEARCHLINE EXCEL INFRARED GAS DETECTOR,**
TRANSMITTER AND RECEIVER UNITS

5 Manufacturer: **ZELLWEGER ANALYTICS LTD**

6 Address: **Poole, Dorset, BH17 0RZ**

7 This supplementary certificate extends EC-Type Examination Certificate No. BAS98ATEX2165X 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.

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File No: EECS 0981/01/020

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IM Cleare
IM CLEARE
DIRECTOR
26 June 2002



13

Schedule

14 **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE N° BAS98ATEX2165X/4**

Description of the Variation to the Equipment or Protective System

VARIATION 4.1

Alternative ½" NPT cable entry thread.

Report No.

Not applicable.

Special Conditions For Safe Use

See original certificate.

Essential Health and Safety Requirements

See original certificate.

DRAWING

Number	Issue	Date	Description
2104E0054	9	14.05.02	Enclosure Detail, Casing

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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: BAS98ATEX2165X/5

**4 Equipment or Protective System: SEARCHLINE EXCEL INFRARED GAS DETECTOR,
TRANSMITTER AND RECEIVER UNITS**

5 Manufacturer: ZELLWEGER ANALYTICS LTD

**6 Address: Hatchpond House, 4 Stinsford Road, Nuffield Estate,
Poole, Dorset, BH17 0RZ**

7 This supplementary certificate extends EC – Type Examination Certificate No. **BAS98ATEX2165X** 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.

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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.

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

Baseefa (2001) Ltd. Customer Reference No. **0981**

Project File No. **03/0161**

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 (2001) Ltd.

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e-mail info@baseefa2001.biz web site www.baseefa2001.biz
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Derbyshire, SK17 9BJ

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.



Schedule

13 Description of the variation to the Equipment or Protective System

Variation 5.1

Optional addition of mounting pads & locating pegs to the front cover in order to assist optical alignment

14 Report Number

None

15 Special Conditions for Safe Use

None additional to those listed previously

16 Essential Health and Safety Requirements

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

17 Drawings and Documents

Number	Issue	Date	Description
2104E0055	7	11.02.03	Enclosure Detail, Front Cover



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: **BAS98ATEX2165X/6**

4 Equipment or Protective System: **SEARCHLINE EXCEL INFRARED GAS DETECTOR,
TRANSMITTER AND RECEIVER UNITS**

5 Manufacturer: **ZELLWEGER ANALYTICS LTD**

6 Address: **Hatchpond House, 4 Stinsford Road, Nuffield Estate,
Poole, Dorset, BH17 0RZ**

7 This supplementary certificate extends EC – Type Examination Certificate No. **BAS98ATEX2165X** 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.

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Baseefa Customer Reference No. **0981**

Project File No. **05/0337**

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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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.



13

Schedule

14

Certificate Number BAS98ATEX2165X/6

15

Description of the variation to the Equipment or Protective System

Variation 6.1

Minor dimensional changes within the base of the enclosure casing.

16

Report Number

None

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.

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Drawings and Documents

Number	Issue	Date	Description
2104E0054	10	12.05.05	Enclosure Detail, Casing



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: **BAS98ATEX2165X/7**

4 Equipment or Protective System: **SEARCHLINE EXCEL INFRARED GAS DETECTOR,
TRANSMITTER AND RECEIVER UNIT**

5 Manufacturer: **Honeywell Analytics Limited**

6 Address: **Hatchpond House, 4 Stinsford Lane, Nuffield Estate, Poole, Dorset,
BH17 0RZ**

7 This supplementary certificate extends EC – Type Examination Certificate No. BAS98ATEX2165X 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.

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

Baseefa Customer Reference No. **0981**

Project File No. **06/0748**

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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.

Re-issued 3rd December 2009 to replace original



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Schedule

14

Certificate Number BAS98ATEX2165X/7

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

Variation 7.1

To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-0: 2006 and EN60079-1: 2004 in respect of the differences from EN 50014:1997 + Amendment 1 and 2, and EN50018:2000 and that none of these differences affect this equipment.

16 **Report Number**

None

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	Date	Description
2104E0051	1 of 1	10	01/05/08	Searchline Excel Std Transmitter
2104E0601	1 of 1	3	01/05/08	Searchline Excel Transmitter Duct
2104E0053	1 of 1	10	01/05/08	Searchline Excel Receiver
2104E0602	1 of 1	2	01/05/08	Searchline Excel Receiver Duct



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: BAS98ATEX2165X/8

**4 Equipment or Protective System: SEARCHLINE EXCEL INFRARED GAS DETECTOR,
TRANSMITTER AND RECEIVER UNIT**

5 Manufacturer: Honeywell Analytics Limited

**6 Address: Hatchpond House, 4 Stinsford Lane, Nuffield Estate, Poole, Dorset,
BH17 0RZ**

7 This supplementary certificate extends EC – Type Examination Certificate No. BAS98ATEX2165X 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.

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Baseefa Customer Reference No. **0981**

Project File No. **09/0586**

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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



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Schedule

14

Certificate Number BAS98ATEX2165X/8

15 Description of the variation to the Equipment or Protective System

Variation 8.1

Minor modifications to drawing and label details not affecting certification.

16 Report Number

Baseefa Confidential Report GB/BAS/ExTR09.0143/00

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
2104E6051	1	09.10.09	General Arrangement, Standard Transmitter
2104E6053	1	09.10.09	General Arrangement, Standard Receiver
2104E6054	1	22.10.09	Casing
2104E6055	1	22.10.09	Window Holder
2104E6059	1	22.10.09	General Arrangement, Duct Mounting Receiver
2104E6060	1	23.10.09	General Arrangement, Duct Mounting Transmitter
2104E6061	1	18.11.09	Window Holder, Duct Mounting

These drawings supersede all the previously listed drawings



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: **BAS98ATEX2165X/9**

4 Equipment or Protective System: **SEARCHLINE EXCEL INFRA-RED GAS DETECTOR,
TRANSMITTER AND RECEIVER UNITS**

5 Manufacturer: **Honeywell Analytics Limited**

6 Address: **Hatchpond House, 4 Stinsford Road, Nuffield Estate,
Poole, Dorset, BH17 ORZ**

7 This supplementary certificate extends EC – Type Examination Certificate No. **BAS98ATEX2165X** 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.

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Baseefa Customer Reference No. **0981**

Project File No. **10/0078**

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Baseefa

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pp R S SINCLAIR 
DIRECTOR
On behalf of
Baseefa



13

Schedule

14

Certificate Number BAS98ATEX2165X/9

15 Description of the variation to the Equipment or Protective System

Variation 9.1

To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-0: 2009 and EN 60079-1: 2007 in respect of the differences from earlier issues and that any such differences have been satisfactorily addressed.

The marking is now modified as follows:-

Ex d IIC T6 ($T_{amb} = -40^{\circ}\text{C}$ to $+40^{\circ}\text{C}$) T5 ($T_{amb} = -40^{\circ}\text{C}$ to $+65^{\circ}\text{C}$) Gb

16 Report Number

Baseefa Certification Report GB/BAS/ExTR11.0031/00

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
2104E6051	02	03.02.11	G.A. Searchline Excel Transmitter.
2104E6053	02	03.02.11	G.A. Searchline Excel Receiver.
2104E6059	02	03.02.11	G.A. Searchline Excel Receiver, Duct Mounting.
2104E6060	02	03.02.11	G.A. Searchline Excel Transmitter, Duct Mounting.

These drawings are common to, and held with, IECEx BAS09.0100X

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: **BAS98ATEX2165X/10**
- 4 Equipment or Protective System: **SEARCHLINE Excel Infra-Red Gas Detector, Transmitter And Receiver Units**
- 5 Manufacturer: **Honeywell Analytics Limited**
- 6 Address: **Hatchpond House, 4 Stinsford Road, Nuffield Estate, Poole, Dorset BH17 0RZ**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. BAS98ATEX2165X 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:
EN 60079-0:2009
EN 60079-1:2007
EN 60079-28:2007

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:

Transmitter

⊕ II 2G Ex d op is IIC T6 (T_{amb} = -40°C to +40°C) Gb or
Ex d op is IIC T5 (T_{amb} = -40°C to +65°C) Gb

Receiver

⊕ II 2G Ex d IIC T6 (T_{amb} = -40°C to +40°C) Gb or
Ex d IIC T5 (T_{amb} = -40°C to +65°C) Gb

This certificate shall be held with the original certificate.

Baseefa Customer Reference No. **0981**

Project File No. **14/0447**

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R S Sinclair
R S SINCLAIR

GENERAL MANAGER

On behalf of SGS Baseefa Limited

13

Schedule

14

Certificate Number BAS98ATEX2165X/10

15

Description of the variation to the Equipment or Protective System

Variation 10.1

An alternate epoxy resin, Cedesa EP2132/C, for the window cement.

Variation 10.2

Update to certification label to add new "op is" designation for transmitter to IEC 60079-28.

Variation 10.3

An alternative 0.2mm maximum external paint finish as an option to the standard unpainted finish.

Variation 10.4

Clarification that the total magnesium, titanium and zirconium content is $\leq 7.5\%$ by mass.

Variation 10.5

Minor drawing and label changes.

16 Report Number

GB/BAS/ExTR14.0220/00

17 Specific Conditions of Use

1. The integral supply cables must be mechanically protected and terminated in a suitable terminal or junction facility
2. For replacement purposes the cover fixing screws shall be grade A2-70 minimum.

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
2104E6051*	3	07.08.14	G.A. Searchline Excel Transmitter
2104E6053*	3	07.08.14	G.A. Searchline Excel Receiver
2104E6054*	2	07.08.14	Casing- Searchline Excel
2104E6055*	2	07.08.14	Window Holder- Searchline Excel
2104E6059*	3	07.08.14	G.A. Searchline Excel Receiver, Duct Mounting.
2104E6060*	3	07.08.14	G.A. Searchline Excel Transmitter, Duct Mounting.
2104E6061*	2	07.08.14	Window Holder- Searchline Excel, Duct Mounting

* These drawings are applicable to IECEx BAS 09.0100X and BAS98ATEX2165X

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: **BAS98ATEX2165X/11**
Equipment or Protective System: **SEARCHLINE Excel Infra-red Gas Detector, Transmitter and Receiver Units**
Manufacturer: **Honeywell Analytics Limited**
Address: **Hatchpond House, 4 Stinsford Road, Nuffield Estate, Poole, Dorset BH17 0RZ**

This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa98ATEX2165X** 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.

Item 9 of the original Certificate is replaced by "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 60079-28:2015

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

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

Transmitter

⊕ II 2G Ex db op is IIC T6 Gb ($T_{amb} = -40^{\circ}\text{C}$ to $+40^{\circ}\text{C}$) or
Ex db op is IIC T5 Gb ($T_{amb} = -40^{\circ}\text{C}$ to $+65^{\circ}\text{C}$)

Receiver

⊕ II 2G Ex db IIC T6 Gb ($T_{amb} = -40^{\circ}\text{C}$ to $+40^{\circ}\text{C}$) or
Ex db IIC T5 Gb ($T_{amb} = -40^{\circ}\text{C}$ to $+65^{\circ}\text{C}$)

This certificate shall be held with the original certificate.

Baseefa Customer Reference No. **0981**

Project File No. **15/0603**

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GENERAL MANAGER

On behalf of SGS Baseefa Limited

13	Schedule			
14	Certificate Number BAS98ATEX2165X/11			
15	Description of the variation to the Equipment or Protective System			
	Variation 11.1			
	To confirm the SEARCHLINE Excel - Infrared gas detector, transmitter and receiver units covered by this certificate comply with the latest editions of the following standards:			
	EN 60079-0:2012+A11:2013 EN 60079-1:2014 EN 60079-28:2015			
	Variation 11.2			
	To allow a change to the 'O' Ring material used for the weatherproof seal, together with the additional dimensions and the removal of the optional Viton material.			
	Variation 11.3			
	To allow minor updates to the drawings			
16	Report Number			
	Baseefa certification report GB/BAS/ExTR15.0327/00			
17	Specific Conditions of 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	Date	Description
2104E6051	1	4	03/12/15	SEARCHLINE EXCEL CERT DRG STANDARD Tx IECEX & ATEX
2104E6053	1	4	03/12/15	SEARCHLINE EXCEL CERT DRG STANDARD RECIEVER IECEX & ATEX
2104E6054	1	3	10/11/15	SEARCHLINE EXCEL CERT DRG Tx – CASING STANDARD IECEX & ATEX
2104E6055	1	3	10/11/15	SEARCHLINE EXCEL CERT DRG Tx – WINDOW HOLDER IECEX & ATEX
2104E6059	1	4	03/12/15	SEARCHLINE EXCEL CERT DRG Rx DUCT MTG IECEX & ATEX
2104E6060	1	4	03/12/15	SEARCHLINE EXCEL CERT DRG Tx DUCT MOUNT IECEX & ATEX
2104E6061	1	3	10/11/15	SEARCHLINE EXCEL CERT DRG WINDOW HOLDER DUCT MTG IECEX & ATEX

These drawings are common to IECEX BAS 09.0100X and BAS98ATEX2165X and are held with the former.