



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: **Baseefa06ATEX0089**

4 Equipment or Protective System: **Type PEX7250 Annunciator**

5 Manufacturer: **RTK Instruments Ltd**

6 Address: **St James Business Park, Knaresborough, North Yorkshire HG5 8PJ**

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. **05(C)0212**

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

**EN 50014: 1997 + Amendments 1 and 2**

**EN 50018: 2000 + Amendment 1**

**EN 50281-1-1: 1998 + Amendment 1**

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 2 GD Ex d IIB T85°C**

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

Baseefa Customer Reference No. **2308**

Project File No. **05/0212**

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



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## Schedule

14

Certificate Number Baseefa06ATEX0089

### 15 Description of Equipment or Protective System

The Type PEX7250 Annunciator Unit is rated up to 240Va.c. or 24Vd.c., 2.5A with a maximum internal dissipation of 75W.

The annunciator electronics assembly is housed within a Cortem Type CCFE-4-3020 Enclosure as detailed by EC Component Certificate CESI 00 ATEX 036 U to EN 50014: 1997 + A1 & A2, EN 50018: 1994 and EN 50281-1-1: 1999, coded II 2GD EEx d IIB.

The cover is secured to the enclosure by 14 off M10 x 30 mm long steel socket head cap screws, grade A2-70.

The cover is fitted with a large window which is certified as part of Component Certificate CESI 00 ATEX 036 U

The enclosure contains an annunciator assembly comprising an arrangement of up to the following individual components in a variety of combinations:-

- a. 56 LED boards
- b. A TAR module
- c. 28 alarm boards with repeat relays
- d. A power supply unit rated up to 60W.
- e. 50 terminals.

To obviate the risk of hotspots and capacitor storage associated with the Type PEX7250 Annunciator Unit the enclosure must not be opened when an explosive gas atmosphere is present. A label is fitted to each and every enclosure which states this information.

Internal and external earthing facilities are provided.

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) under an EC Type Examination Certificate to Directive 94/9/EC.

In accordance with the CESI certification where the unit is intended for use in a dust atmosphere a suitable non-setting silicone grease shall be applied to the cover flange and cable entry threads to maintain the IP6X seal.

### 16 Report Number

Baseefa Certification Report No 05(C)0212

### 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.



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**19 Drawings and Documents**

<b>Number</b>	<b>Issue</b>	<b>Date</b>	<b>Description</b>
CE6535	0	21/03/06	General Arrangement, PEX7250 Annunciator
CE6536	0	21/03/06	Certification Label
CE6565	0	21/03/06	Cable Entry Detail



**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: Baseefa06ATEX0089/1**

**4 Equipment or Protective System: Type PEX7250 Annunciator**

**5 Manufacturer: RTK Instruments Ltd**

**6 Address: St James Business Park, Knaresborough, North Yorkshire, HG5 8PJ**

**7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0089 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. **2308**

Project File No. **06/0428**

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### Schedule

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Certificate Number Baseefa06ATEX0089/1

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

**Variation 1.1**

Introduction of an alternative Temperature Classification of T100°C for a maximum ambient temperature of 55°C.

16 **Report Number**

None

17 **Special Conditions for Safe Use**

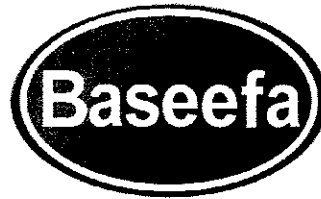
None

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	Issue	Date	Description
CE6536	1	16 NOV 07	Certification Label



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: **Baseefa06ATEX0089/2**
- 4 Equipment or Protective System: **Type PEX7250 Annunciator**
- 5 Manufacturer: **RTK Instruments Ltd**
- 6 Address: **St James Business Park, Knaresborough, North Yorkshire, HG5 8PJ**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa06ATEX0089** 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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Baseefa Customer Reference No. **2308**

Project File No. **08/0548**

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## Schedule

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Certificate Number Baseefa06ATEX0089/2

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

### Variation 2.1

To permit an alternative P725B/C Series, or a type SIL 725 annunciator to be fitted.

### Variation 2.2

To permit a reduction of the number of annunciator modules and the addition of a heater rated up to 15W, and / or a sounder rated up to 3W.

### Variation 2.3

To permit the addition of a MTL 5021 intrinsically safe barrier to BAS01ATEX7148 if required. When fitted with the barrier the annunciator is limited to 40W input, a maximum ambient temperature of 40°C, and the enclosure must be mounted vertically.

### Variation 2.4

To declare that the Type PEX7250 annunciator is suitable for use within a hydrogen atmosphere and in compliance with EN 60079-0: 2006, EN 60079-1: 2004, EN 61241-0: 2006 and EN 61241-1: 2004. The equipment is coded:-

Ex d IIB+H<sub>2</sub>

Ex tD A21 IP65

T85°C (Tamb = +40°C) or T100°C (Tamb = +55°C)

16 **Report Number**

None.

17 **Special Condition 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
CE6535	-	1	26.08.08	General Arrangement – PEX7250 Annunciator
CE6565	-	1	15.08.08	Cable entry detail
CE6536	-	2	28.08.08	Certification Label