



TYPE EXAMINATION CERTIFICATE

Electrical Apparatus for Explosive Gas Atmospheres

- 1
- 2
- 3 Type Examination Certificate Number: **Baseefa03Y0060X**
- 4 Equipment: **A Type PEX7250 Annunciator System**
- 5 Manufacturer: **RTK Engineering Limited**
- 6 Address: **Harrogate, North Yorkshire, HG2 0PN**
- 7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 8 Baseefa (2001) Ltd. certifies that this equipment has been found to comply with the requirements of the following standards relating to the design and construction of electrical apparatus for explosive gas atmospheres classified in accordance with IEC 60079-10.
**EN50014: 1977 + Amendments 1 to 4, EN50014: 1992 + Amendment 1, EN50014: 1997 + Amendments 1 and 2
EN50018: 1977 + Amendment 1 & 2, EN50018: 2000, EN50019: 1994, EN50019: 2000, EN50020: 1994.**
- 9 The examination and test results are recorded in confidential Report No. **02(CI)0255**
- 10 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions of safe use specified in the schedule to this certificate.
- 11 This TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment and not to specific items of equipment subsequently manufactured.
- 12 The marking of the equipment shall include the following:
EEx deia IIC T4

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

Baseefa (2001) Ltd. Customer Reference No. **2308**

Project File No. **02/0255**

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.

Health and Safety Laboratory Site, Harpur Hill,
Buxton, Derbyshire SK17 9JN
Telephone +44 (0) 1298 28255 Fax +44 (0) 1298 28216
e-mail info@baseefa2001.biz web site www.baseefa2001.biz
Registered in England No. 4305578 at 13 Dovedale Crescent, Buxton,
Derbyshire, SK17 9BJ


PP R S SINCLAIR

DIRECTOR
On behalf of
Baseefa (2001) Ltd.

CHANGE REGISTRATION

This is to certify that the following change(s) have been accepted:

Holder of certificate: RTK Instruments Ltd – 2308
St James Business Park
Knaresborough
North Yorkshire
HG5 8PJ

Change details: The certificates listed below are now held in the name of:

Measurement Technology Ltd – 0703
Great Marlings
Butterfield
Luton
Bedfordshire
LU2 8DL


Certificates affected: Baseefa03Y0060X

The purpose of this document is to permit existing information (for example on Certificate Schedule Drawings or label marking) to be replaced by equivalent new information as described above. No other change may be made to the certified design.

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SGS Baseefa Limited

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site www.baseefa.com
Registered in England No. 4305578.
Registered address: Rossmore Business Park, Ellesmere Port, Cheshire,
CH65 3EN


R S SINCLAIR
GENERAL MANAGER
On behalf of SGS Baseefa Limited



Schedule

13 Equipment Description

A Type Pex7250 28 Way annunciator system with external sounder and controls comprising:

- A Type CCA-03H flameproof enclosure housing an RTK 16 channel annunciator and a power supply unit. The assembly is stated to be certified under CESI01ATEX036 marked Ex II 2 GD EEx d IIC T4.
- A Type CCA-03H flameproof enclosure housing an RTK 12 channel annunciator and a Type MTL5025 intrinsically safe barrier. On one side of the enclosure is attached a Type DB5 sounder to BAS00ATEX1259, coded Ex II 1 G EEx ia IIC T4. A Type 07-91 line bushing to PTB97ATEX1047U connects the sounder to the enclosure. This assembly is stated as being certified under CESI01ATEX036 coded Ex II 2 EEx d IIC T4.
- A Type GB400/2 terminal enclosure to BAS98ATEX3090X, coded Ex II 2 GD EEx e II T6.
- A Type 8040/1270 control and indicator module to PTB01ATEX1105, coded Ex II 2 G EEx de IIC T6.

The enclosures are interconnected with cable and cable glands. The cable glands attached to the flameproof enclosures are Type BARR-W SWA compound filled to Ex 87B1446U. The glands fitted to the increased safety enclosures are Pirelli Type EW1F SWA to SIRA02ATEX3092X. The interconnecting cables are 5, 10 and 20 pair, Type 2 (SWA), collectively screened, 0.5mm² to BS5308.

The unit is rated up to 264V a.c. 0.5A.

Drawings

Number	Issue	Date	Description
CE5661	1	30.01.03	General Assembly – 28 Way Annunciator
CE5666	1	30.01.03	Wiring Diagram - 28 Way Annunciator
CE5664	1	30.01.03	Certification Label

Variation One

Alternative arrangement of enclosures to form a Type Pex7250 44 Way annunciator system comprising:

- Three Type CCA-03H flameproof enclosures, one housing an RTK 12 channel annunciator, and two housing an RTK 16 channel annunciator one of which also housing a power supply unit. These assemblies are stated to be certified under CESI01ATEX036 coded Ex II 2 GD EEx d IIC T4.
- A Type GB400 terminal enclosure to BAS98ATEX3090X, coded Ex II 2 GD EEx e II T6.

The enclosures are interconnected with cable and cable glands. The cable glands attached to the flameproof enclosures are Type BARR-W SWA compound filled to Ex 87B1446U. The glands fitted to the increased safety enclosures are Pirelli Type EW1F SWA to SIRA02ATEX3092X. The interconnecting cables are 5, 10 and 20 pair, Type 2 (SWA), collectively screened, 0.5mm² to BS5308.



Drawings

Number	Issue	Date	Description
CE5662	1	30.01.03	General Assembly – 44 Way Annunciator
CE5667	1	30.01.03	Wiring Diagram - 44 Way Annunciator

Variation Two

Alternative arrangement of enclosures to form a Type Pex7250 28 Way annunciator system comprising

- Two Type CCA-03H flameproof enclosures, one housing an RTK 16 channel annunciator, the other housing an RTK 12 channel annunciator. These assemblies are stated to be certified under CESI01ATEX036 coded Ex II 2 GD EEx d IIC T4.

The enclosures are interconnected with cable and cable glands and integral unterminated cable.

The cable glands attached to the flameproof enclosures are Type BARR-W SWA compound filled to Ex 87B1446U. The interconnecting and integral unterminated cables are 10 pair, Type 2 (SWA), collectively screened, 0.5mm² to BS5308.

Drawings

Number	Issue	Date	Description
CE5663	1	30.01.03	General Assembly – 28 Way Annunciator
CE5668	1	30.01.03	Wiring Diagram - 28 Way Annunciator

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02(CI)0255

15 Special Conditions for Safe Use

The integral unterminated cables of units to Variation Two above must be terminated in a suitable terminal facility.

16 Drawings and Documents

See Schedule

17 Certification Conditions

Compliance of the individual certified items referred to above with the standards quoted in those certificates and with the certificates themselves is the responsibility of the relevant certification body and manufacturer.

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SGS Baseefa Limited

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site www.baseefa.com
Registered in England No. 4305578.
Registered address: Rossmore Business Park, Ellesmere Port, Cheshire,
CH65 3EN


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