1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Component intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 99ATEX3172U** Issue: **5**

4 Component: **BPG Range of Enclosures**

5 Applicant: **ABTECH Limited**

6 Address: Sanderson Street
Lower Don Valley
Sheffield S9 2UA
UK

7 This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of a component intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 50 014:1997 (amendments A1 to A2) EN 50 019:1994 EN 50281-1-1:1998

10 The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any special conditions for safe use are listed in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

12 The marking of the component shall include the following:

II 2 G D
EEx e II (Ta = -65°C to +90°C)

Project Number 26585

C Ellaby
Deputy Certification Manager

Sira Certification Service
Rake Lane, Eccleston, Chester, CH4 9JN, England
Tel: +44 (0) 1244 670900
Fax: +44 (0) 1244 681330
Email: info@siracertification.com
Web: www.siracertification.com

13 **DESCRIPTION OF COMPONENT**

The BPG range of enclosures are manufactured from polyester in the following sizes:

BPG Reference	Length (mm)	Width (mm)	Height (mm)
1	80	75	55
2	110	75	55
3	160	75	55
4	190	75	55
5	230	75	55
6	122	120	90
7	220	120	90
8	160	160	90
9	260	160	90
10	360	160	90
11	560	160	90
12	255	250	120
13	400	250	120
13.5	400	250	160
14	600	250	120
15	400	405	120

The enclosures may also be manufactured to sizes not specified in the table. This assumes that any given dimension is not larger than the respective dimension of the largest enclosure or smaller than the respective dimension of the smallest enclosure.

The enclosure lids may be hinged or detachable and are retained captive screws. All boxes are fitted with gaskets of closed cell polychloroprene or closed cell silicone rubber.

Entries may be provided either through the side walls or the rear of the box and external and internal earthing facilities are provided.

Variation 1 (dated 28 September 2001) - This variation introduced the following changes:

i. The recognition of a minor revision of the information marked on the label.

Variation 1 (dated 10 March 2008) - This variation introduced the following changes:

i. The BPG 13.5 enclosure was added to the range.

Variation 2 - This variation introduced the following changes:

i. The option to fit slotted trunking inside the enclosures, this trunking may be sited as required. The instructions were modified to recognise additional restrictions associated with this change and a new Condition of Manufacture was introduced.
ii. The recognition of minor drawing modifications including the introduction of a new company logo; these amendments are administrative or involve changes to the design that do not affect the aspects of the product that are relevant to explosion safety.
iii. The materials used to construct these enclosures were clarified and are recorded below:
    - BPG is used for all colours except black
    - Anti-static BPGC is the black version

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14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report/File no.	Comment
0	19 January 2000	R51X6055E	The release of prime certificate.
1	28 September 2001	53V7936	The introduction of Variation 1.
2	23 July 2002	R53A9009A	The prime certificate was re-issued to permit the following: • The incorporation of variation 1. • The lower ambient temperature range was confirmed as –65°C. • The introduction of the changes included in Sira report number R53A9009A.
3	10 March 2008	R51A17881A	This Issue covers the following changes: • All previously issued certification was rationalised into a single certificate, Issue 3, Issues 0 to 2 referenced above are only intended to reflect the history of the previous certification and have not been issued as documents in this format. • The change of the Applicant's name, first recognised 31 January 2007, was re-confirmed. • The introduction of Variation 1.
4	03 April 2012	R26585A/00	The introduction of Variation 2.
5	11 June 2012	R26585A/01	Report R26585A/01 replaced report R26585A/00.

15 SPECIAL CONDITIONS FOR SAFE USE

None

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF CERTIFICATION

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

17.3 Suitably certified Ex e equipment such as breathing devices and blanks may be fitted to the enclosure providing the enclosure maintains compliance with BS EN 60529:1992 code IP64 or better.

17.3 When the enclosures are marked Ta –65°C to +90°C, the manufacturer shall fit silicone rubber gaskets.

17.4 When trunking is fitted, it may be sited as required and the minimum creepage and clearance distances shall still be met.

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Certificate Annexe

Certificate Number: **Sira 99ATEX3172U**

Component: **BPG Range of Enclosures**

Applicant: **ABTECH Limited**

Issue 0 and 1: The drawings associated with these Issues were rationalised by those listed in Issue 2.

Issue 2

Number	Sheet	Rev.	Date	Description
ABT 10259	1 of 1	C	25 Jun 02	External Label (BPG)
ABT 10305	1 of 1	A	16 Nov 99	BPG Enclosures
ABT 10304	1 of 1	A	16 Nov 99	BPG Manufacturing Specification

Issue 3

Issue 2

Number	Sheet	Rev.	Date (Sira stamp)	Description
ABT 10305	1 of 1	B	07 Mar 08	BPG Enclosures

Issue 4

Number	Sheets	Rev.	Date (Sira Stamp)	Description
ABT 10259	1 of 1	D	30 Mar 12	BPG Nameplate – Empty Enclosures
ABT 10304	1 of 1	B	30 Mar 12	BPG Manufacturing specification

Issue 5 (No new drawings were introduced.)

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