



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 11ATEX2277** Issue: **1**

4 Equipment: **Bond Rite Clamp II**

5 Applicant: **Newson Gale Limited**

6 Address: **Omega House
Private Road 8
Colwick
Nottingham
NG4 2JX
UK**

7 This equipment and any acceptable variation thereto is 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 equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment 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:

IEC 60079-0:2011

IEC 60079-11:2011

EN 60079-26:2006

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment 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. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 1GD

Ex ia IIC T4 Ga

Ex ia IIIC T135°C Da

Ta = -40°C to +60°C

Project Number 27309

C Ellaby
Deputy Certification Manager

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 11ATEX2277
Issue 1

13 DESCRIPTION OF EQUIPMENT

The Bond Rite Clamp II comprises a set of steel, spring loaded jaws, onto which is mounted an electronic circuit and steel cover. The circuit is powered by a non-rechargeable, nominally 9 V battery, which is intrinsically safe and may be replaced in the hazardous area.

The clamp is designed to be used with all types of metallic plant such as drums, road and rail tankers, IBCs, mixing vessels and other similar applications. Connection of the clamp prevents a dangerous build up of static charge during the transfer, handling or mixing operations; enabling it to bleed safely to earth. Its use assumes that no charge is present prior to the clamp being attached.

The clamp provides an indication that the resistance between clamp and the local plant earth is less than 10 ohms. Under these circumstances, an LED will be illuminated.

The installation shall be in accordance with control drawing BRCII-Q-11263. Whilst the equipment has an intrinsically safe output, it is not intended to be connected to any other intrinsically safe equipment and, because the length of attached cable is limited to 100 m maximum, no entity parameters are quoted.

Variation 1 - This variation introduced the following changes:

- i. The introduction of the Varta type 6122 Professional battery as an alternative to the Ultralife type U9VL-J.
- ii. The introduction of a new model: the OhmGuard Hose Continuity Tester.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	17 February 2012	R25391A/00	The release of the prime certificate.
1	5 September 2012	R27309A/00	The introduction of Variation 1.

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

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.

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Certificate Annexe

Certificate Number: Sira11ATEX2277
Equipment: Bond Rite Clamp II
Applicant: Newson Gale Limited



Issue 0

Drawing	Sheets	Rev.	Date(Sira stamp)	Title
AA0204R1A-CB-CERT	1 of 1	A	20 May 11	PCB Layout - copper, bottom
AA0204R1A-CERT	1 of 1	A	20 May 11	Schematic
AA0204R1A-CT-CERT	1 of 1	A	20 May 11	PCB Layout - copper, top
AA0204R1A-SS-CERT	1 of 1	A	20 May 11	PCB layout - silkscreen
AA204R1A-PLC	1 of 1	A	20 May 11	Component list
BRCII LAB-01	1 of 1	1	30 Jan 12	Marking
BRCIIIGA	1 of 1	3	30 Jan 12	General assembly
BRCII-Q-11263	1 of 1	3	30 Jan 12	Control drawing

Issue 1

Drawing	Sheets	Rev.	Date(Sira stamp)	Title
BRCII LAB-01	1 of 1	2	03 Sep 12	BRCII, marking
BRCIIIGA	1 of 1	4	03 Sep 12	BRCII, general assembly
BRCII-Q-11263	1 of 1	5	03 Sep 12	BRCII, control drawing
OG GA	1 of 1	0	03 Sep 12	OhmGuard, general assembly
OG LAB-01	1 of 1	0	03 Sep 12	OhmGuard, marking
OG-Q-12192	1 of 1	1	03 Sep 12	OhmGuard, control drawing

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