



GE Energy

Functional Testing Specification

*Parts & Repair Services
Louisville, KY*

LOU-GENEVA-IS200VGEN

Test Procedure for cards tested on the Geneva Test System

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REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	Monte Starling	06/13/2011
B	Added VGEN fixture H188742 to equipment list	R. Johnson	7/5/2013
C			

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DATE 06/13/2011	DATE 7/5/2013	DATE	DATE 6/14/2011

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Functional test procedure for equipment tested on the GENRAD® GENEVA system

1. SCOPE

1.1 This is a functional testing procedure for various circuit boards.

2. STANDARDS OF QUALITY

2.1 Refer to the current revision of the IPC-A-610 standard for workmanship standards.

3. APPLICABLE DOCUMENTS

3.1 The following document(s) shall form part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue shall apply.

3.1.1 Check board's electronic folder for more information.

4. ENGINEERING REQUIREMENTS

4.1 Equipment Cleaning

4.1.1 Equipment should be clean and free of debris prior to applying power unless performing an initial check. Refer to site specific SRA's for cleaning guidelines.

4.2 Equipment Inspection

4.2.1 Equipment should be visually inspected for any defects prior to applying power. This inspection should include the following as a minimum:

4.2.1.1 Wires broken or cracked

4.2.1.2 Terminal strips / connectors broken or cracked

4.2.1.3 Loose wires

4.2.1.4 Components visually damaged

4.2.1.5 Capacitors leaking

4.2.1.6 Solder joints damaged or cold

4.2.1.7 Circuit board burned or de-laminated

4.2.1.8 Printed wire runs burned or damaged

5. EQUIPMENT REQUIRED

5.1 The following equipment is required to perform the process requirements. Equipment may be substituted provided that all accuracy's and test ratios are equivalent or better.

Qty	Reference #	Description
1	H188912	GENRAD Geneva Test System
1	H188742	VGEN Fixture

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6. TESTING PROCESS

6.1 Setup

6.1.1 These test instructions assume a working knowledge of the Geneva automated test system.

6.2 Testing Procedure

6.2.1 Load vgen_ sma from Encompass programming menu.

6.2.2 Connect test fixture H188742 onto the Geneva test stand and follow the instructions in the test.

6.3 *TEST COMPLETE *****

7. NOTES

7.1 None at this time.