



GE Energy

## Functional Testing Specification

*Parts & Repair Services  
Louisville, KY*

**LOU-GE-GENEVA**

### Test Procedure for cards tested on the General Purpose Tester

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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.

**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 the local documented procedures 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		GENRAD Geneva Test System
1		Functional Test Fixture

<p><b>LOU-GE-GENEVA REV. B</b></p>	<p><b>g</b></p> <p><b>GE Energy</b> <i>Part &amp; Repair Services</i> <i>Louisville, KY</i></p>	<p><b>Page 3 of 3</b></p>
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## 6. TESTING PROCESS

### 6.1 Setup

**6.1.1** Install fixture onto Geneva test System.

**6.1.2** Install UUT into test fixture.

### 6.2 Testing Procedure

**6.2.1** Load appropriate test program and follow instructions on screen.

**6.3 \*\*\*TEST COMPLETE \*\*\***

## 7. NOTES