



GE Energy

## Functional Testing Specification

*Parts & Repair Services  
Louisville, KY*

**LOU-GENEVA-IS200TICI**

### Test Procedure for cards tested on the Geneva Test System

**DOCUMENT REVISION STATUS:** Determined by the last entry in the "REV" and "DATE" column

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A	Initial release	Roger Johnson	8/31/2012
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<b>PREPARED BY</b> R. Johnson	<b>REVIEWED BY</b>	<b>REVIEWED BY</b>	<b>QUALITY APPROVAL</b> <i>Charlie Wade</i>
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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 testing IS200TICI 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 or equivalent system
1	H188752	TICI Fixture

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## 6. TESTING PROCESS

### 6.1 Setup

**6.1.1** Install TICI fixture H188752 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

**7.1** None at this time.