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GE Industrial Systems

**Functional Testing Specification**

*Renewal Services  
Louisville, KY*

**LOU-GE-GENRAD-A  
DS3800 Products**

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

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| <b>PREPARED BY</b><br>Steve Pharris | <b>REVIEWED BY</b> | <b>REVIEWED BY</b> | <b>QUALITY APPROVAL</b><br><i>Charlie Wade</i> |
| <b>DATE</b><br>10/15/07             | <b>DATE</b>        | <b>DATE</b>        | <b>DATE</b><br>10/22/2007                      |

## Test procedure for GENRAD2270 Tester

### 1. SCOPE

1.1 This is a functional testing procedure for any card with developed test software

### 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 2270 | General Purpose Testing Computer and Interface |
| 1   |             | Personality module                             |
| 1   |             | Card Frame                                     |
|     |             |  |
|     |             |  |

|  |   |                           |
|--|---|---------------------------|
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## 6. TESTING PROCESS

### 6.1 Setup

**6.1.1** Using test info spreadsheet, locate appropriate Personality Board and Frame.

**6.1.2** Install Personality Board and Frame.

### 6.2 Testing Procedure

**6.2.1** Open Reviver program.

**6.2.2** Type name of program in test name blank.

**6.2.3** Push F1 to run.

**6.2.4** Follow on screen instructions.

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

## 7. NOTES