



GE Energy

## Functional Testing Specification

Parts & Repair Services  
Louisville, KY

LOU-GED-IS230STAI2A

### Test Procedure for a IS230STAI2ASTAI2A & IS230STAI2ASRTD2A Mark VIe Analog Input Terminal Board Assemblies.

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DATE 04/03/2014	DATE	DATE	DATE 6/11/2014

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## 1. SCOPE

- 1.1 This is a functional testing procedure for an IS230STAI2ASTAI2A MARK VIe Analog Input Terminal board assembly.

## 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, cracked, or loosely connected
- 4.2.1.2 Terminal strips / connectors - broken or cracked
- 4.2.1.3 Components - visually damaged
- 4.2.1.4 Capacitors - bloated or leaking
- 4.2.1.5 Solder joints - damaged or cold
- 4.2.1.6 Circuit board - burned or de-laminated
- 4.2.1.7 Printed wire runs / Traces - 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
		Reference section 6 on the next sheet for test and equipment

## 6. TESTING PROCESS

### 6.1 Testing Procedure



**Note:** This procedure will be for an entire IS230STAI2ASTAI2AGxx or IS230STAI2ASRTD2AGxx assembly. Since we do NOT have a fully functional assembly test, the assembly will be broken down to individually test each sub-assembly separately using its assigned test. The test procedure will be listed for each sub-assembly.

- 6.1.1 (If applicable), Remove both **IS220PAIC** PAC Modules and test using test procedure **LOU-TOFFEE-IS220PAIC**, referring to Models Database for latest revision of test procedure.
- 6.1.2 (If applicable), Remove both **IS220PRTD** PAC Modules and test using test procedure **LOU-TOFFEE-IS220PRTD**, referring to Models Database for latest revision of test procedure.
- 6.1.3 (If applicable), Remove both **IS200STAI** cards and test using test procedure **LOU-GED-IS200STAI**, referring to Models Database for latest revision of test procedure.
- 6.1.4 (If applicable), Remove both **IS200SRTD** cards and test using test procedure **LOU-GED-IS200SRTD**, referring to Models Database for latest revision of test procedure.
- 6.1.5 Test the **IS200JGND** cards using test procedure **LOU-GED-IS200JGND**, referring to Models Database for latest revision of test procedure.
- 6.1.6 Test the **IS200JPDL** card using test procedure **LOU-GED-IS200JPDL**, referring to Models Database for latest revision of test procedure.

### 6.2 \*\*\*TEST COMPLETE\*\*\*

## 7. NOTES

### 7.1 Simple breakdown of the base assemblies.

Model Number	Contents	Contents	Contents	Contents	Contents
IS230STAI2AG01	IS220PAIC		IS200STAIH2AZZ		4 inch wire
IS230STAI2ASRTD2AG01	IS220PAIC	IS220PRTD	IS200SRTDH2AZZ	IS200STAIH2AZZ	4 inch wires
IS230STAI2ASTAI2AG01	IS220PAIC	IS220PAIC	IS200STAIH2AZZ	IS200STAIH2AZZ	4 inch wires
IS230STAI2ASTAI2AG11	IS220PAIC	IS220PAIC	IS200STAIH2AZZ	IS200STAIH2AZZ	10 inch wires
IS230STAI2ASTAI2AG21	IS220PAIC	IS220PAIC	IS200STAIH2AZZ	IS200STAIH2AZZ	8 & 4 inch wires

## 8. ATTACHMENTS

### 8.1 None at this time.