1. INTRODUCTORY DESCRIPTION

A. This procedure establishes the methods for testing a DS3800NDAC
B. Environmental ranges: 70 +/- 10 Deg. F. with 20-75% R.H.
C. Unit warm-up/stabilization period requirement: 20 mins.
D. Personnel using this procedure are expected to have a high degree of confidence and expertise in related testing and calibration procedures.
E. Procedures not explained here are considered to be understood as common practice.

2. TEST EQUIPMENT VERIFICATION

A. Verify the accuracy of the standard(s) used in the repair/calibration process by evidence of recent calibration labeling affixed to the test equipment.
B. All measurement standards used in this procedure shall be traceable to the NATIONAL INSTITUTE of STANDARDS and TECHNOLOGY (N.I.S.T.) and shall have the accuracy, stability, range and resolution required for the intended use.
C. Unless otherwise specified, the collective uncertainty of the Measurement Standard(s) shall not exceed twenty five percent of the acceptable tolerance for each characteristic being calibrated.
D. All deviations shall be documented.

3. EQUIPMENT CLEANING

A. All equipment clean will be performed as instructed in the GEES SOP Sec. 14.0

4. EQUIPMENT INSPECTION

A. The following criteria should be used as a guideline or basis for the inspection process of the this unit:
    1. Wires broken or cracked.
    2. Terminal strips / connectors broken or cracked.
    3. Loose wires.
    4. Components visually damaged.
    5. Capacitors leaking.
    6. Solder joint, cold.
    7. Circuit board discolored or burned.
    8. Printed wire runs burned or damaged.

5. REVISION HISTORY

Revision	Date	Initials	Reason for Revision
A	01/05/00	DEJ	Initial Release
B	06/10/02	RKD	Added section 5 & 6.
C			
D			
E			
F			
G			
H			
I			
J			
K			

6. REFERENCE DOCUMENTATION

- Reference: GEK
- Factory Procedure #

7. THEORY OF OPERATION

- Refer DS3800NDAC
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8. TEST EQUIPMENT TO BE USED

- **DMC**
- **Multimeter**

9. FINAL TEST AND OPERATION PROCESS

1. Turn on DMC
2. Wait approximately 10secs for self test to complete.
3. Remember to let card burn in for 20 minutes.
4. All letters are case sensitive.
5. Press return until the following appears on the screen.
   DMC Monitor
   REV 3.8 3/1/86
   SYS ID=VERSION_0
6. Press U
7. Test menu should appear
8. Type NDAC
9. Press Enter address 4040
10. Place the positive lead of your multimeter on TP2 for channel 1,TP3 for channel 2,and TP4 for channel 3,TP5 for channel 4.
11. Place the negative lead of your multimeter on TP1
12. Set meter on dc volts
13. Press +
14. Press 9.99
15. Press spacebar
16. Press 1

17. Press enter
18. Meter should display +9.99 +/-.0005 VDC
19. Press -
20. Press 9.99
21. Press spacebar
22. Press 1
23. Press enter
24. Meter should display –9.99 +/-.0005 VDC
25. Press +
26. Press 1.50
27. Press spacebar
28. Press 1
29. Press enter
30. Meter should display +1.50 +/-.0005 VDC
31. Press -
32. Press 1.50
33. Press spacebar
34. Press 1
35. Press enter
36. Meter should display –1.50 +/-.0005 VDC
37. Repeat steps 33-56 for channels 2,3,& 4

8. SPECIAL INFORMATION

TEST WRITTEN BY: DARREN E. JOHNSON DATE: JAN 5, 2000

TEST VERIFIED BY: