

REV  
NO.

TITLE

CONT ON SHEET

2

SH NO.

1

P3K-AL-0382-A01

BOARD TEST SPECIFICATION - METER ADJUSTMENT  
1P3-A002, 1P3-A003, 15-30 VDC - SCHEMATIC 155C3325

CONT ON SHEET

2

SH NO. 1

FIRST MADE FOR

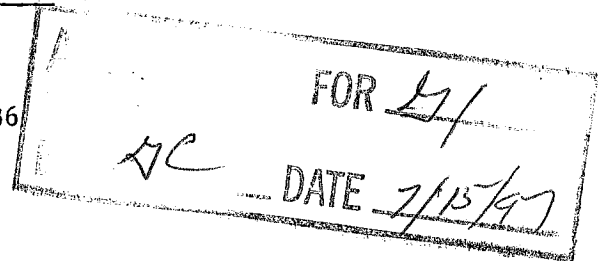
REVISIONS

1. PURPOSE

- A. The purpose of this specification is to convey the proper information needed to test the referenced circuit board for its proper function.
- B. To enable the skilled Test Engineer to produce a detailed Test Procedure for the referenced circuit board.

2. DOCUMENTS PERTAINING TO THIS SPECIFICATION

- A. Meter Adjustment Card
- B. AC/DC Power Ground System - 125D4436
- C.



3. EQUIPMENT NEEDED TO TEST

- A. DC Power Supply - 24 VDC nominal, 1 ampere output.
- B. DC Voltmeter - 0-50 VDC  $\pm$  1%
- C. DC Milliammeter - 0-1 ma, 40  $\Omega$

4. CIRCUIT DESCRIPTION

This circuit consists of a wheatstone bridge which can be balanced at a certain input voltage and when unbalanced can be adjusted to provide a specified current.

5. CIRCUIT INTEGRATION

The bus voltage is measured by suppressed-zero meters, to make use of such meters accuracy over a full-range instrument. This card allows for the proper display of voltage by the meter.

6. TEST SPECIFICATIONS

- A. Connect the board as per Figure 1.
- B. Energize the Power Supply and set it at 15V  $\pm$  0.01 VDC.
- C. Adjust VR1 until the DC milliammeter reads 0  $\pm$  0.1 milliamperes.
- D. Adjust the power supply to 30V  $\pm$  0.01 VDC.
- E. Adjust VR2 until the DC milliammeter reads 1.00  $\pm$  .01 milliamperes.

273-2

273-12

273-71

273-13

273-22

273-22

PRINTS TO

MADE BY J. Polacek Sept. 16, 1977

APPROVALS

Steam Turbine

DIV OR  
DEPT.

P3K-AL-0382-A01

ISSUED Sept 16, 1977

Steam Turbine

LOCATION

CONT ON SHEET

2

SH NO.

1

|                 |   |                 |          |
|-----------------|---|-----------------|----------|
| REV NO. 1       | TITLE   | CONT ON SHEET 3 | SH NO. 2 |
| P3K-AL-0382-A01 | BOARD TEST SPECIFICATION - METER ADJUSTMENT<br>1P3-A002, 1P3-A003, 15-30 VDC - SCHEMATIC 155C3325 |                 |          |
| CONT ON SHEET 3 | FIRST MADE FOR  |                 |          |

6. TEST SPECIFICATIONS (continued)

F. De-energize the power supply.

G. Connect the board as shown in Figure 2.

H. Repeat steps B through F except adjust VR3 and VR4 respectively.

7. REPORT SHEET

| <u>PARA</u> | <u>INPUT PINS</u> | <u>READING</u> |
|-------------|-------------------|----------------|
| C           | 12 -- 10          |                |
| E           | 12 -- 10          |                |
| C           | 32 -- 30          |                |
| E           | 32 -- 30          |                |

8. NOTES

If the milliammeter reading are not as specified, the board is to be rejected.

REVISION:

PRINTS 1

|                                     |           |                   |              |                          |
|-------------------------------------|-----------|-------------------|--------------|--------------------------|
| MADE BY<br>J. Polack Sept. 16, 1977 | APPROVALS | Steam Turbine     | DIV OR DEPT. | P3K-AL-0382-A01          |
| ISSUED<br>Sept 16, 1977             |           | Schenectady, N.Y. | LOCATION     | CONT ON SHEET 3 SH NO. 2 |

REV. NO. 0

TITLE

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SH NO. 3

P3K-AL-0382-A01

BOARD TEST SPECIFICATION - METER ADJUSTMENT  
1P3-A002, 1P3-A003, 15-30 VDC - SCHEMATIC 155C3325

CONT ON SHEET 4 SH NO. 3

FIRST MADE FOR

REVISIONS

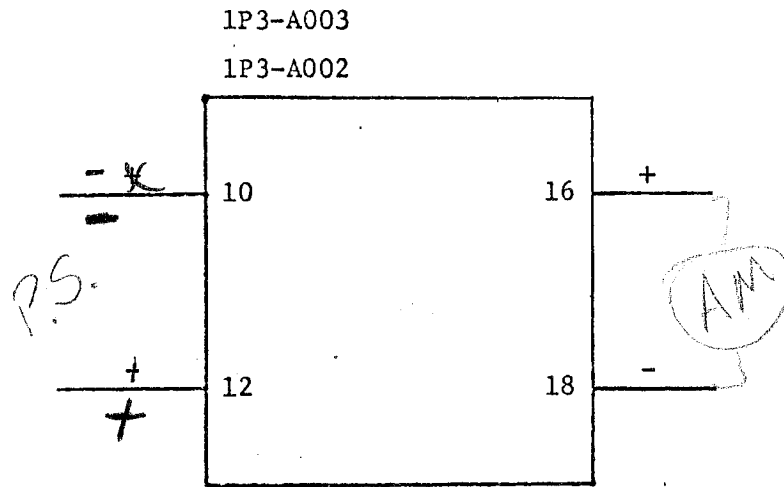


FIGURE 1

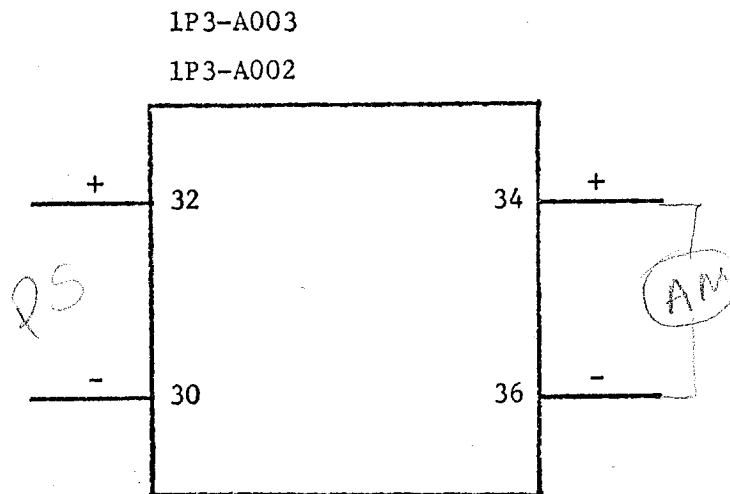


FIGURE 2

PRINTS

MADE BY J. Polacek Sept. 16, 1977

APPROVALS

Steam Turbine

DIV OR DEPT.

P3K-AL-0382-A01

ISSUED Sept 16, 1977

Schenectady, N.Y.

LOCATION

CONT ON SHEET 4

SH NO. 3

REV  
NO. 17

TITLE

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SH NO.

P3K-AL-0382-A01

BOARD TEST SPECIFICATION - METER ADJUSTMENT  
1P3-A002, 1P3-A003, 15-30 VDC - SCHEMATIC 155C3325

CONT ON SHEET

SH NO.

4

FIRST MADE FOR

REVISION

PREPARED BY

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DATE

*2/10/74*

C.J. Barrigher  
EHC DESIGN ENGINEERING

APPROVED BY

*P.C. Callan*

DATE

*9-6-77*

P.C. Callan - MANAGER  
EHC DESIGN ENGINEERING

TEST PROCEDURE REVIEWED BY

*R. Debertolis*

DATE

*4/1/77*

R. Debertolis  
EHC TEST ENGINEER

PRINTS TO

MADE BY

J. Polacek Sept. 16, 1977

APPROVALS

Steam Turbine

DIV OR  
DEPT.

P3K-AL-0382-A01

ISSUED

*Sept 16, 1977*

Schenectady, N.Y.

LOCATION

CONT ON SHEET

SH NO.

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