DATE 8-17-64 SHEET 1 OF 4	TMC SPECIFICATION NO. S-706	A
RM COMPILED / CHECKED	TITLE:	
JG APPROVED		

A-1397 POWER SUPPLY, FOR SBE PRODUCTION TEST PROCEDURE

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 439M

TMC SPECIFICATION NO. S-706

A

COMPILED | CHECKED

TITLE: A-1397 Power Supply, for SBE- Produ tion Test Proc dure

APPROVED

TEST EQUIPMENT REQUIRED

a. TMC Model SBE- sideband exciter.
b. Ballentine VTVM 314.
c. Simpson VOM 260.
d. Interconnecting cable TMC CA-346/3FT/F.
e. AC power cable TMC CA103-72

A. Preliminary:

1. Inspect the unit to be tested for wiring errors, el etrical connections and correct value of fuses.

B. Electrical Tests:

1. Connect cable CA-346 from J-109 on the SBE- to J-402 on the unit to be tested and the AC power cord CA-103 from the AC input of the power supply to a 115 V AC outlet.

2. Place Power and Exciter switches in ON position. All th r controls on the SBE- OFF or at minimum position.

3. After 5 minutes warm up utilizing the VOM take voltage readings indicated below, parens a thru g . Us the VTVM for the voltage readings below, paren h .

   a. Check voltage on pin 5 of C-402, it should be 250 VDC, ± 10%.

   b. Check voltage on pin 5 of C-403, it should be 180 VDC, ± 10%.

   c. Check voltage on pin 3 of C-403, it should be 225 VDC, ± 10%.

   d. Check voltage on pin 1 & 5 of V-402, it should b 150 VDC ± 5%.

   e. Check voltage on pin 4 of T-402, it should be 6.3 VAC ± 5%.

   f. Check voltage on pin 5 of T-401, it should be 6.3 VAC ± 5%.

   g. Check voltage on pin 9 of T-401, it should be 6.3 VAC ± 5%.

NOTE: Indi ate compl tion and acceptance of portion(s) of this t st proc ded by (*) by r cording requir d observed value or by ch ck (✓) mark as required on attached test Data Sheets.

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 439M

h. Check hum level with the AC VTVM at Pin 1 & 5 of V-402. It should not exceed .02 V. AC.

4. To check fusing circuits, perform the following:-

a. Pull out B+ fuse. The EXCITER light on the front panel will go out.
b. Pull out the MAIN power fuse. The power light on the power supply will go out.
c. Pull out the OVEN fuse. The OVEN light on the front panel will go out.

NOTE: Indicate completion and acceptance of portion(s) of this test procedure by (*) by recording required observed value or by check (✓) mark as required on attached test Data Sheets.

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 439M

DATE 8-17-64 SHEET 4 OF 4	TMC SPECIFICATION NO. S-706	A
COMPILED / CHECKED	TITLE: A-1397 Power Supply, for SBE- Production Test Procedure	
APPROVED	TEST DATA SHEET	

1. (A) Preliminary inspection completed _____ (✓)

2. (B) Electrical tests:-

Volt. Reading Point	Reqm't	Result
a. Pin #5, C-402	250 VDC ± 10%	_____ VDC
b. Pin #5, C-403	180 VDC ± 10%	_____ VDC
c. Pin #3, C-403	225 VDC ± 10%	_____ VDC
d. Pin #1 & 5, V-402	150 VDC ± 5%	_____ VDC
e. Pin #4, T-402	6.3 VDC ± 5%	_____ VDC
f. Pin #5, T-401	6.3 VDC ± 5%	_____ VDC
g. Pin #9, T-401	6.3 VDC ± 5%	_____ VDC
h. Pin #1 & 5, V-402	Not to exceed .02 VAC	_____ VAC

3. (4) Fusing circuit checks completed _____ (✓)

Mfg. No. _____ Ser. No. _____ Date _____

Tested by _____ Approved by _____

Remarks:

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 439M

DATE 8-17-64	TMC SPECIFICATION NO. S - 706	
SHEET 4 OF 4		
COMPILED / CHECKED	TITLE: A-1397 Power Supply, For SBE-3 Production Test Proc dur	
APPROVED	TEST DATA SHEET	

1. (A) Preliminary Inspection Completed _____ (✓)

2. (B) Electrical Tests:-

Volt. Reading Point	Reqm't	Results
a. Pin #5, c-402	250 VDC ± 10%	_____ VDC
b. Pin #5, c-403	180 VDC ± 10%	_____ VDC
c. Pin #3, c-403	225 VDC ± 10%	_____ VDC
d. Pin #1,& 5, V-402	150 VDC ± 5%	_____ VDC
e. Pin #4, T-402	6.3 VAC ± 5%	_____ VAC
f. Pin #5, T-401	6.3 VAC ± 5%	_____ VAC
g. Pin #9, T-401	6.3 VAC ± 5%	_____ VAC
h. Pin #1 & 5, V-402	Not to exceed .02 VAC	_____ VAC

3. (4) Fusing circuit checks completed _____ (✓)

Mfg. No._____ Ser. No._____ Date_____

Tested by _____ Approved by_____

Remarks:

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 439M

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

S706
LIST NO.

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
10/2/64	A	-----	12514	Revised per EMN	