

DATE <u>3/22/57</u>	TMC SPECIFICATION NO. S-321	
SH. <u>1</u> OF <u>7</u>		
COMPILED BY <u>O. I. P.</u>	TITLE: PRODUCTION TESTING OF THE MODEL TST	JOB
APPROVED <u>MP</u> <u>A. J. J.</u>		

COMPLETE INSTRUCTIONS
FOR THE
PRODUCTION TESTING
OF THE
MODEL TST

DATE 3/22/57
SH. 2 OF 7

TMC SPECIFICATION NO. S-321

COMPILED BY
O. I. P.

TITLE: PRODUCTION TESTING OF THE MODEL TST

JOB

APPROVED *[Signature]* A.J.J.

I N D E X

	<u>PAGE</u>
1. TEST EQUIPMENT REQUIRED	3
2. TEST INSTRUCTIONS	3
3. GENERAL INSTRUMENT LAYOUT	4
4. TEST SEQUENCE AND PROCEDURE	5
A. GENERAL INSPECTION	5
B. RESISTANCE TEST	5
C. VOLTAGE TEST	5
D. HUM TEST	6
5. SAMPLE TEST REPORT SHEET	7

DATE 3/22/57
SH. 3 OF 7
COMPILED BY
O.I.P.

TMC SPECIFICATION NO. S-321

TITLE: PRODUCTION TESTING OF THE MODEL TST

JOB

APPROVED

MPO A.J.J.

1. TEST EQUIPMENT REQUIRED

1. Test load as per paragraph 3, General Instruction Layout.
2. Simpson Model 260 voltohmmeter or equivalent.
3. Heathkit Model AV2 AC voltmeter.

2. TEST INSTRUCTIONS

Proceed as outlined in paragraph 4, Test Sequence and Procedure.

Fill in the blank spaces on the report sheets, and submit them to your supervisor.

DATE 3/22/57
SH. 4 OF 7
COMPILED BY
O. I. P.

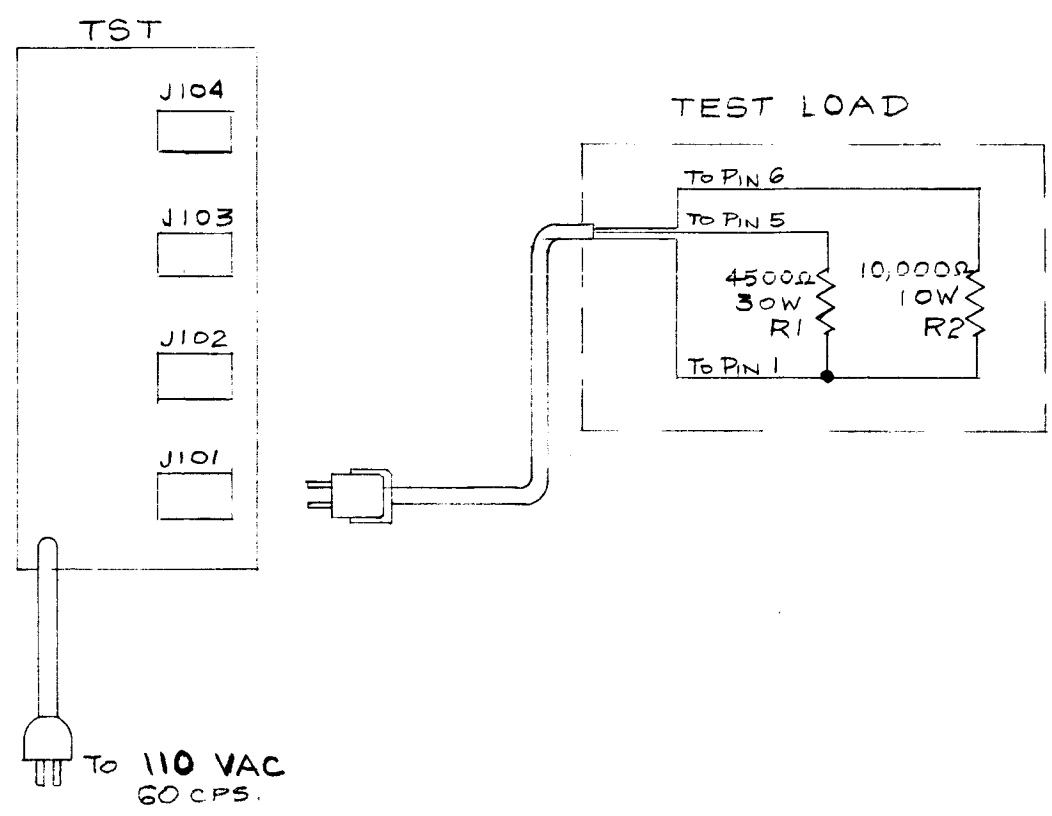
TMC SPECIFICATION NO. S-321

TITLE: PRODUCTION TESTING OF THE MODEL TST

JOB

APPROVED MD A.J.J.

3. GENERAL INSTRUMENT LAYOUT



$R_1 = 4,500 \Omega, 30 W$
 $R_2 = 10,000 \Omega, 10 W$

SIMPSON
MODEL 260
OR
EQUIV.

HEATHKIT
VTVM
MODEL AV2
(AC VOLTS)
OR EQUIV.

DATE 3/22/57
SH. 5 OF 7
COMPILED BY
O. I. P.

TMC SPECIFICATION NO. S-321

TITLE: PRODUCTION TESTING OF THE MODEL TST

JOB

APPROVED

W.P. A.S.S.

4. TEST SEQUENCE AND PROCEDURE

A. GENERAL INSPECTION

1. Inspect the unit for obvious mechanical errors.
2. The front panel must swing freely without endangering the cable to be pinched or scratched.
3. Inspect the unit for obvious electrical errors.
4. Be sure that there are no connections to terminals 3 and 4 of J101, J102, J103 and J104.
5. Check connection at C101. The white/orange wire must be connected to pins 3 and 5; pin 1 must be grounded.

B. RESISTANCE TEST

1. With ohmmeter measure pin 3 of C101 to ground.
Not less than 10 K ohms.

C. VOLTAGE TEST

1. Turn off all four switches. (S-101, S-102, S-103, S-104)
2. Plug in the load into J-101. See paragraph 3, General Instrument Layout.
3. Apply power to TST and turn on the switch S-101. The pilot light, I-101, and the V R tube must light. The AC power must be 110 VAC.
4. Measure the following voltages to ground:
 - a) Pin 5 of J-101, J-102, J-103, J-104 145 155 VDC
 - b) Pin 6 of J-101, J-102, J-103, J-104 VDC
 - c) Pin 2 of J-101 6.3 7.0 VAC
 - d) Pin 2 of J-102, J-103, J-104, 0 Volt AC

DATE 3/22/57
SH. 6 OF 7
COMPILED BY
O. I. P.

TMC SPECIFICATION NO. S-321

TITLE: PRODUCTION TESTING OF MODEL TST

JOB

APPROVED

400 AJJ

5. Turn S-101 off, the pilot light must go off.
6. Turn S-102 on, the pilot light must go on.
7. Measure at pin 2 of J-102 6.3 - 7.0. VAC
8. Measure at pin 2 of J-101, J-103, J-104 - 0 VAC
9. Turn S-102 off.
10. Turn S-103 on, the pilot light must go on.
11. Measure at pin 2 of J-103 - 6.3 - 7.0 VAC
12. Measure at pin 2 of J-101, J-102, J-104 - 0 VAC
13. Turn S-103 off.
14. Turn S-104 on. Measure at pin 2 of J-104 - 6.3 - 7.0 VAC

D. HUM TEST

With AC VTVM measure at pin 3 of C101 VAC.

Disconnect all equipment. The unit must now be placed in its final form with cover plates on etc. and prepared for shipment. On copy of the Report Sheet must accompany the unit. Submit the other copy of the Report Sheet to your supervisor.

DATE 3/22/57
SH. 7 OF 7
COMPILED BY
O. I. P.

TMC SPECIFICATION NO. S-321

TITLE: PRODUCTION TESTING OF THE MODEL TST

JOB

APPROVED

Wp AJS.

SAMPLE
TEST REPORT SHEET
MODEL TST

	<u>ACCEPT</u>	<u>REJECT</u>
A. GENERAL INSPECTION	_____	_____
B. RESISTANCE TEST	_____	_____
C. VOLTAGE TEST	_____	_____
D. HUM TEST	_____	_____

SERIAL NO. _____

DATE _____

ACCEPTED _____

TESTED BY _____