

TMC SPECIFICATION

NO. S1382

REV:

COMPILED: Strandberg

CHECKED:

APPD:

SEM

SHEET 2

OF 3

TITLE:

TEST PROCEDURE FOR AO-105
6-12-70

III. OVEN CHECK (continued)

d. Oven Heater Resistance

1. Check DC resistance by placing meter between leads 7 and 8. A reading of 160 ohms $\pm 10\%$ should be obtained.
2. Repeat step No. 1 for leads 9 and 10
3. Check for shorts to ground for each of the oven heater leads (7, 8, 9 and 10)

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TITLE: TEST DATA SHEET AO-105

6-12-70

1. MASTER OSCILLATOR CALIBRATION

a. Calibration OK _____

b. Reactance Tube Check OK _____

c. Cycle Deviation (\pm 300 CPS)
Frequency KC

2000 _____

2100 _____

2200 _____

2300 _____

2400 _____

2500 _____

2600 _____

2700 _____

2800 _____

2900 _____

3000 _____

3100 _____

3200 _____

3300 _____

3400 _____

3500 _____

3600 _____

3700 _____

3800 _____

3900 _____

4000 _____

2. OVEN CHECK

a. Oven OK _____

b. Thermostat OK _____

c. Oven Cycling OK _____

d. Mechanical Inspection _____

SERIAL NUMBER _____

MFG. NUMBER _____

DATE _____

TESTED BY _____

TMC SPECIFICATION

NO. S1382

REV:

COMPILED: Strandberg

CHECKED:

APPD: *EJM*

SHEET 1 OF 3

TITLE:

TEST PROCEDURE FOR AO-105

6-12-70

I. TEST EQUIPMENT REQUIRED

- a. 1 - Oscillator test jig
- b. 1 - Counter Hewlett Packard Model 523C (or equivalent)
- c. 1 - Simpson Meter Model 260 (or equivalent)

II. MASTER OSCILLATOR CALIBRATION

- a. An AO-103 unit will be tested and calibrated in accordance with QA2017.
- b. The curve will be set within a tolerance of ± 300 cps of prescribed curve; and so that, a deviation of no more than 300 cps appears between successive frequencies
- c. The cycles deviation will be recorded on the test data sheet

III. OVEN CHECK

- a. Preliminary
 1. Inspect the oven for mechanical imperfections
 2. Inspect the oven for obvious wiring errors
 3. Install the calibrated AO-103 in the oven
 4. The extended shafts of L-301, C-302 and C-307 will be fixed in position by tape or some other suitable means to insure that they remain in position in the process of shipment
- b. Thermostat S301, 70°C
 1. S301 will be checked to insure that it is the proper thermostat
 2. A DC resistance check will be made across the terminals of S301 to insure that the thermostat is normally open
 3. The thermostat will be checked while installed in an oven of a CMO-1 or 2 to insure that the thermostat produces proper oven cycling
 4. The thermostat will then be installed in the AO105
- c. Thermostat S302, 80°C
 1. Check DC resistance across leads 3 and 5 to insure that the thermostat is normally closed
 2. Check DC resistance of both leads (3 and 5) to ground to insure that there are no shorts to ground