| DATE 2/27/63 | TMC SPECIFICATION NO. S-749 | |
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| SHEET 1 OF 5 | | |
| A.A. COMPILED | CHECKED | TITLE: |
| APPROVED | | |

# INSTRUCTION FOR THE PRODUCTION TESTING

# AND THE

# MECHANICAL TESTING OF THE MODEL TER-5000-300U

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 459M

| DATE 2/27/63 SHEET 2 OF 5 | TMC SPECIFICATION NO. S-749 | |
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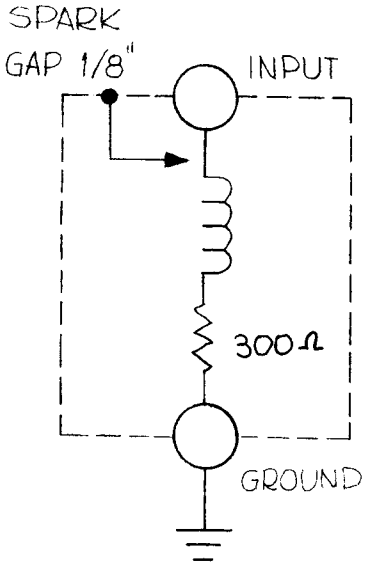
PURPOSE AND DESCRIPTION:

Models TER-5000 are resistive terminations capable of dissipating R.F. energy from D.C. to 30 megacycles. The units are housed in fiberglass reinforced plastic cases for pole or frame mounting. The case provides protection from the elements and is fitted with screened vent ports for proper air circulation. All metals used are non-ferrous, insulation is of teflon and the entire assembly is protected by a silicone spray. The resistors are of a new design providing a minimum of reactance. The entire resistor assembly is shock mounted in a plastic case and may be quickly removed for service. The resistor characteristics are such that they may be instantly brought up to full rated output power at minus 40 degrees centigrade without harm.

TEST EQUIPMENT REQUIRED:

1. Ohmmeter: Simpson Model 260 or Equivalent.
2. Ruler: 6 inches.
3. GPT-10K.




SCHEMATIC

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TEST INSTRUCTIONS:

ELECTRICAL AND MECHANICAL:

1. Check resistance of the resistors. The resistance should be 300 OHMS ± 10%.

2. Check the spacing of the spark gap. This should be set for 1/8" spacing.

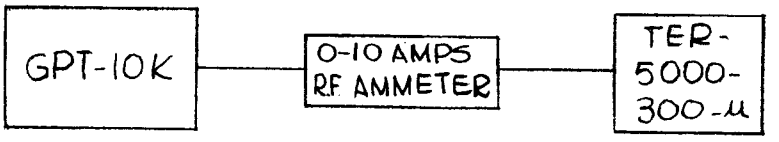
3. Inspect resistors for any sign of damage in installation.

4. Check all mechanical connections to see that they are secure.

5. Check over all unit for any missing hardware.

POWER TEST:

Connect the TER-5000-300U to the unbalanced output of a GPT-10K through a 0-10 amp. R.F. ammeter. Tune the GPT-10K to 8mc. and apply drive until ammeter reads 4 amps. Apply power for 10 minutes.

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THE TECHNICAL MATERIEL CORPORATION
MAMARONECK, N.Y.

## TEST DATA SHEET

## TER-5000-300U

MFG. _____

SERIAL NUMBER _____

1.0 MECHANICAL INSPECTION _____ OK

2.0 ELECTRICAL INSPECTION _____ OHMS

3.0 POWER TEST _____ OK

DATE _____

TESTED BY _____

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