

TECHNICAL MANUAL

**DEPARTMENT OF THE ARMY
TECHNICAL MANUAL
OPERATOR'S ORGANIZATIONAL, DIRECT
SUPPORT, AND GENERAL SUPPORT
MAINTENANCE MANUAL**

TEST SET, RELAY TS-1775/U

NSN 6625-00-064-6096

HEADQUARTERS, DEPARTMENT OF THE ARMY

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DEPARTMENT OF THE ARMY
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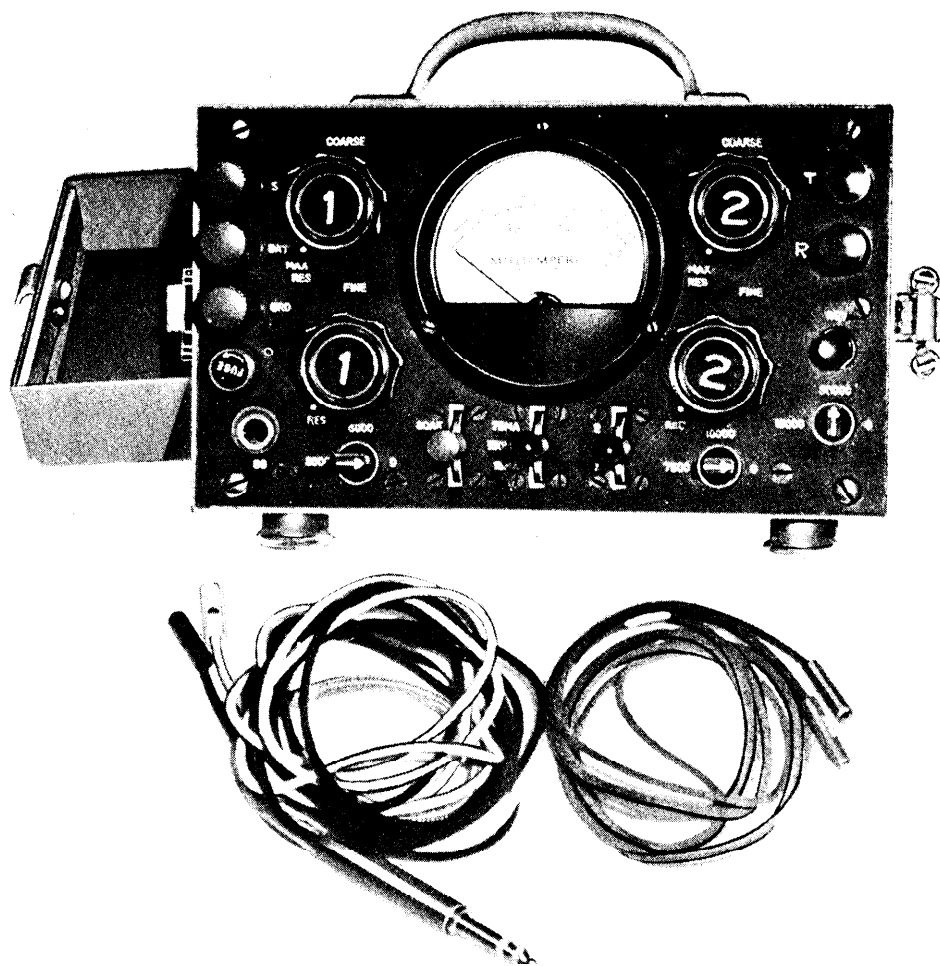
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1 This manual supersedes TM 11-6625-202-10, 22 August 1958 including all changes; TM 11-6625-202-20, 15 August 1958 including all changes, and TM 11-6625-202-35, 24 November 1958.

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Figure 1-1. Test Set, Relay TS-1775/U.

CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

a. This manual describes Test Set, Relay TS-1775/U (fig. 1-1) and provides instructions for operation, organizational maintenance, general support (GS) maintenance. No direct support is authorized for this equipment. Instructions are provided for the operator and organizational repairman for installation, operation, preventive maintenance, and replacement of parts available at organizational maintenance. Circuit functioning is included for general support maintenance, together with instructions appropriate to these categories of maintenance for troubleshooting, testing, adjusting aligning, and repairing the equipment and replacing maintenance parts.

b. Appendix C is current as of September 1975.

-2. Indexes of Equipment Publications

a. *DA Pam 310-4*. Refer to the latest issue of *DA Pam 310-4* to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

b. *DA Pam 310-7*. Refer to *DA Pam 310-7* to determine whether there are modification work orders (MWO's) pertaining to the equipment.

1-3. Forms and Records

a. *Reports of Maintenance and Unsatisfactory Equipment*. Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance levels are listed in and prescribed by TM 38-750.

b. *Report of Packaging and Handling Deficiencies*. Fill out and forward DD Form 6

(Packaging Improvement Report) as prescribed in AR 700-58/NAVSUPINST 4030.29/AFR 71-13/MCO P4030.29A, and DSAR 4145.8.

c. *Discrepancy in Shipment Report (DISREP)* (SF 361). Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33A/AFR 75-18/MCO P4610.19B and DSAR 4500.15.

1-4. Recommendation for Equipment Publication Improvements

The reporting of errors, omissions, and recommendations for improving this manual by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications and Blank Forms) or DA Form 2028-2 (Test) located in the back of the manual, and forwarded direct to Commander, US Army Electronics Command, ATTN: AMSEL-MA-Q, Fort Monmouth, NJ 07703. To use the form in the back of the manual, cut it out, fill it out as shown on the sample figure 1-2, fold it where shown, and drop it in the mail. A reply will be furnished direct to you.

1-5. Administrative Storage

For procedures, forms, and records, and inspections required during administrative storage of this equipment, refer to TM 740-90-1.

1-6. Destruction of Army Materiel

Demolition and destruction of electronic equipment will be under the direction of the commander and in accordance with TM 750-244-2.

Section II. DESCRIPTION AND DATA

-7. Description and Use

a. Test Set, Relay TS-1775/U is a transportable, current-flow type, relay test set. It is used to measure and regulate the value of direct current (dc) applied to the winding of a relay, drop, or similar electromagnetic device, for test or adjustment purposes. The test set is primarily used to test the performance of telephone and

teletypewriter equipment relays. It can also be used as a dc milliammeter.

b. The test set meter and controls are assembled on a panel within a metal case. The case is equipped with cushioned feet, a carrying handle, and a removable cover that is secured by latches. Four single-conductor and one two-conductor test cord assemblies are provided (para