

TM 11-6625-366-15

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL, DS, GS, AND DEPOT MAINTENANCE MANUAL

MULTIMETER TS-352B/U

(NSN 6625-00-553-0142)

This copy is a reprint which includes current
pages from Changes 1 through 4.

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ORGANIZATIONAL DIRECT SUPPORT, GENERAL
SUPPORT, AND DEPOT MAINTENANCE MANUAL
MULTI METER TS-352B/U
(NSN 6625-00-553-0142)

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*This manual supersedes TM 11-5527,24 October 1956, including C3, 25 June 1959, C6, 27 August 1963, and C7, 31 March 1964.

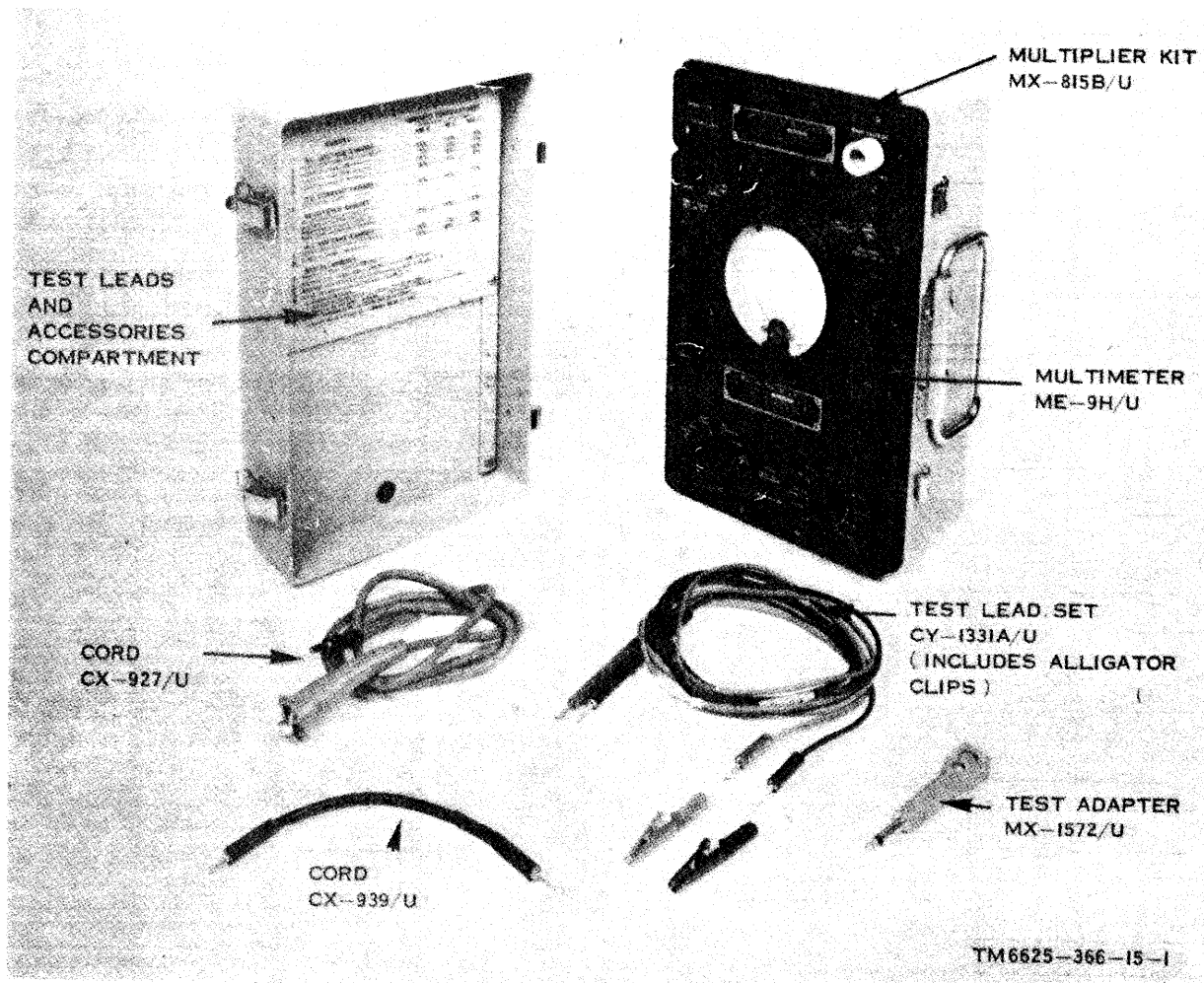


Figure 1-1. Multimeter TS-352B/U.

CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual contains instructions for organizational, direct support, general support, and depot maintenance of Multimeter TS-352B/U. Operating and operator's maintenance instructions are contained in TM 11-6625-366-10.

1-2. Indexes of 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. Maintenance Forms, Records, and Reports

a. Reports of Maintenance and Unsatisfactory Equipment. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by TM 38-750, The Army Maintenance Management System.

b. Report of Packaging and Handling Deficiencies. Fill out and forward DD Form 6 (Packaging Improvement Report) as prescribed in AR 735-11-2/NAVSUPINST 4440.127 E/AFR 400-54/MC04430.3E and DSAR 4140.55.

c. Discrepancy in Shipment Report (D ISREP)

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

1-3.1 Reporting of Errors

You can help improve this manual. If you find any mistakes, or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703. A reply will be sent directly to you.

1-3.2 Reporting Equipment Improvement Recommendations (EIR)

If your Multimeter TS-352B/U needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design. Tell us why a procedure is hard to perform. Put it on an SF 368 (Quality Deficiency Report). Mail it to Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703. We'll send you a reply.

Section II. DESCRIPTION AND DATA

1-4. Purpose and Use

The TS-352B/U is to measure alternating current (ac) voltage and direct current (DC) voltage; direct current in amperes, milliamperes, and microampere; and resistance in ohms. Multip-

lier Kit MX-815B/U, part of the TS-352BNJ, extends the range of the equipment to allow the measurement of higher dc voltages.

1-5. Technical Characteristics

TypeMultirange instrument using a 50-microampere dc, D'Arsonval-type meter.

Rectification is used for ac voltage measurements.

Frequency range 25 cycles to 5 kilocycles; useful to 20 kilocycles with a reduction in sensitivity.

Frequency error ± 3 percent at 10 kilocycles; ± 7 percent at 20 kilocycles.

Usable temperature range -40° F to $+131^{\circ}$ F.