

TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT, AND

GENERAL SUPPORT MAINTENANCE MANUAL

ELECTRONIC VOLTMETERS ME-202A/U

(NSN 6625-00-709-0288)

AND

ME-202B/U (NSN 6625-00-972-4046)

HEADQUARTERS, DEPARTMENT OF THE ARMY

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*This manual supersedes TM 11-6625-537-15-1, 12 August 1966.

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Figure 1-1. Electronic Voltmeter ME-202(*)/U.

CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

a. This manual describes Electronic Voltmeters ME-202A/U and ME-202B/U, Electronic Voltmeter (*fig. 1-1*) and covers instructions for operation, installation, and operator's, organisational, and general support maintenance. No direct support maintenance is authorized.

b. Official nomenclature followed by (*) is used to indicate all models of equipment. Thus, Electronic Voltmeter ME-202(*)/U indicates Electronic Voltmeters ME-202A/U and ME-202B/U.

c. A list of references is contained in appendix A.

d. The maintenance allocation chart (MAC) appears in appendix C.

1-2. Indexes of Publications

a. *DA Pam 910-4*. 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. Reporting of Errors

The reporting of errors, omissions, and recommendations for improving this publication is authorized and encouraged. Submit reports on DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to Commander, US Army Electronics Command, ATTN: AMSEL-MA-Q, Fort Monmouth, NJ 07703.

1-5. Administrative Storage

The procedures for administrative storage are outlined in TM 740-90-1; however, the exact procedure in repacking for limited storage depends on the materials available and the conditions under which the equipment is to be stored,

1-6. Destruction of Army Materiel to Prevent Enemy Use

Destruction of the ME-202(*)/U will be undertaken only, when in the judgment of the unit commander concerned, such action is necessary in accordance with orders or policy established by the Army commander. This action will normally be required only when the equipment is in immediate danger of capture by enemy forces or abandonment on the battlefield. Refer to TM 750-244-2 for procedures to be followed when destruction of the equipment is ordered.

Section II. DESCRIPTION AND DATA

1-7. Purpose and Use

Electronic Voltmeter ME-202(*)/U is a portable, precision instrument capable of accurately measuring voltages between 0 and 500 volts direct current (dc) or 0.001 and 500 volts alter-

nating current (ac) and resistance between 1 megohm and 250,000 megohms. Voltages may be measured by using the electronic voltmeter either as a vacuum tube voltmeter or as a differential voltmeter.