

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL, DS, GS, AND
DEPOT MAINTENANCE MANUAL

VOLTMETER ME 262/ U

INCLUDING REPAIR PARTS AND
SPECIAL TOOL LISTS

This copy is a reprint which includes
current pages from Changes 1 and 2.



HEADQUARTERS, DEPARTMENT OF THE AR41MY
7 MARCH 1966

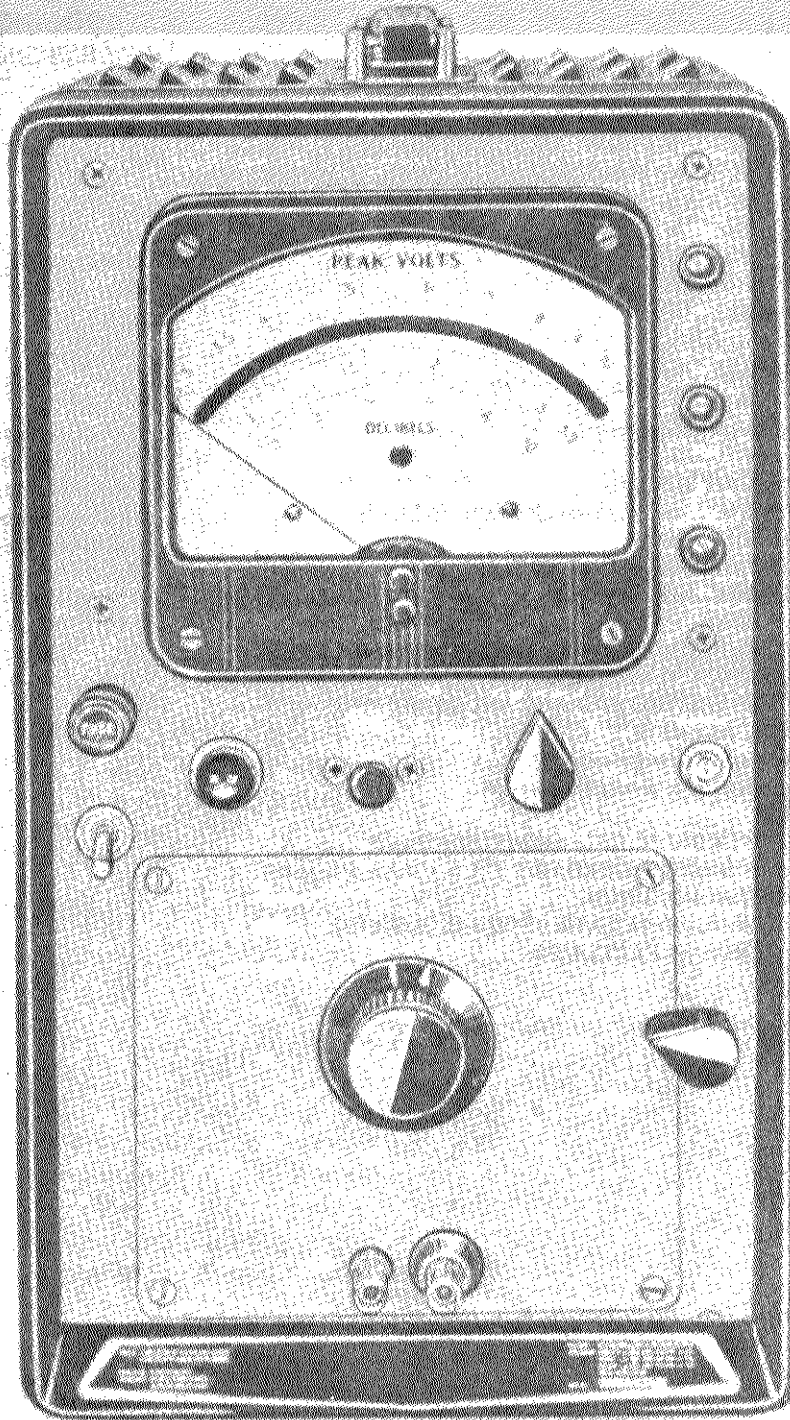
Technical Manual
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HEADQUARTERS
 DEPARTMENT OF THE ARMY
 Washington, D.C., 7 March 1966

METER ME-262/U

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Change 2 I



TM 6625-624-15-18

Figure 1-1. Voltmeter ME-262/U, overall 2tew.

CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope

This technical manual describes Voltmeter, Electronic ME-262/U (fig. 1-1) and provides instructions for the installation, operation, operator and organizational maintenance, general support, and depot maintenance of the equipment. It includes cleaning and inspection of the ME-262/U, and replacement of parts available to the operator and the organizational, general support, and depot repairmen. Throughout this manual Voltmeter, Electronic ME-262/U is referred to as Voltmeter ME-262/U and test set.

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. Forms and Records

a. Reports of Maintenance and Unsatisfactory Equipment. Maintenance forms, records, and reports which are to be used by maintenance per-

sonnel 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 (Report of Packaging and Handling Deficiencies) as prescribed in AR 700-58 (Army)/NAVSUP Pub 378 (Navy)/AFR 71-4 (Air Force)/and MCO P4030.29 (Marine Corps).

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 (Army)/NAVSUP Pub 459 (Navy)/AFM 75-34 (Air Force)/and MCO P4610.19 (Marine Corps).

1-3.1. Reporting of Equipment

Publication Improvements

The reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to Commander, US Army Electronics Command, ATTN: AMSEL-MA-S, Fort Monmouth, NJ 07703.

Section II. DESCRIPTION AND DATA

1-4. Purpose and Use

Voltmeter ME-262/U is a portable, amplifier-detector type, vacuum-tube voltmeter capable of measuring alternating current (ac) signals ranging from 0.9 millivolt (mv) to 1, 000 volts. The range can be extended down to 10 microvolts (uv) with a special adjustment. The ME-262/U is used to measure repetitive sine waves, square waves, sawtooth waves, pulse trains, and complex waveforms. It measures either the positive peak, nega-

tive peak, or peak-to-peak amplitude of the applied voltage. The test set also may be used as a wide band, fast risetime amplifier or preamplifier when not employed in metering operations.

1-4.1. Item Comprising an Operable

Equipment

Voltmeter, Electronic ME-262/U (FSN 6625-739-1192) comprises an operable equipment and is shown in figure 1-1.