TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL,

DIRECT SUPPORT, AND GENERAL SUPPORT

MAINTENANCE MANUAL

INCLUDING REPAIR PARTS AND

SPECIAL TOOLS LISTS

VOLTMETER, DIGITAL AN/GSM-64B

(NSN 6625-00-022-7894)

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Operator's, Organizational, Direct Support, and General Support Maintenance Manual

Including Repair Parts and Special Tools Lists

VOLTMETER, DIGITAL AN/GSM-64B

(NSN 6625-00-022-7894)

INCLUDING

PLUG-IN, ELECTRONIC TEST EQUIPMENT

PL-1370/GSM-64B

(NSN 6625-00-137-8366)

Current as of February 1975.

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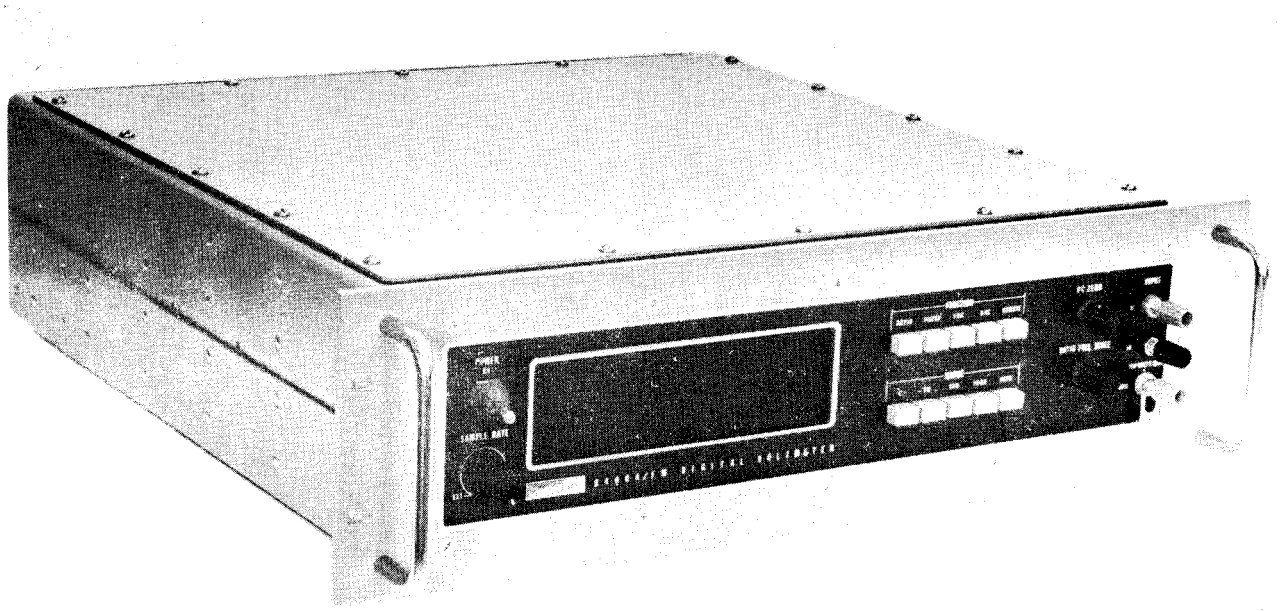

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Figure 1-1. Digital Voltmeter AN/GSM-64B.

CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual describes Voltmeter, Digital AN/GSM-64B (voltmeter) (fig. 1-1) and provides instructions for operation and organizational and general support maintenance. Direct support maintenance is not authorized for the AN/GSM-64B. Instructions are provided for the operator and the 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 this category of maintenance for troubleshooting, testing, adjusting, aligning and repairing the equipment and replacement of maintenance parts. Chapter 7 describes optional plug-in subassemblies which will extend the functional capability of the voltmeter. The options are not general issue, but are available to those maintenance facilities authorized their use.

1-2. Indexes of Publications

a. DA Pamphlet 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 Pamphlet 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/NAV SUPINST 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/NAV SUPINST 4610.36A/AFR 75-18/MCO P4610.19B, and DSAR 4500.15.

1-4. Recommendation for Maintenance Publication Improvements

Report 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 Blank Forms) and forwarded direct to Commander, US Army Electronics Command, ATTN: DRSEL-MA-Q, Fort Menmouth, NJ 07703.

1-4.1. Administrative Storage

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

1-4.2. 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.

1-4.3. Reporting Equipment Improvement Recommendations (EIR).

EIR will be prepared using DA Form 2407, Maintenance Request. Instructions for preparing EIR's are provided in TM 38-750, The Army Maintenance Management System. EIR's should be mailed directly to Commander, US Army Electronics Command, ATTN: DRSEL-MA-Q, Fort Monmouth, New Jersey 07703. A reply will be furnished directly to you.

Section II. DESCRIPTION AND DATA

1-5. Purpose and use

a. The voltmeter is a precision digital instrument capable of accurately measuring voltages from 0 to 1,100 vdc. It also allows voltage ratio comparison between the voltage input and an external reference voltage from ±1.0 to 100 vdc.