

TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT, GENERAL SUPPORT,
AND DEPOT MAINTENANCE MANUAL

STANDING-WAVE-RATIO

POWER METER

ME-165/G

(NSN 6625-00-682-4464)

This copy is a reprint which includes current
pages from Changes 1 through 3.

HEADQUARTERS, DEPARTMENT OF THE ARMY

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STANDING-WAVE-RATIO POWER METER ME-165/G (NSN 6625-00-682-4464)

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to: Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth NJ 07703.

In either case, a reply will be furnished direct to you.

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* This manual supersedes TM 11-809-10, 14 May 1958 including all changes, TM 11-809-20, 2 July 1958 and TM 11-809-35, 3 December 1958 as pertains to subject equipment.

CHAPTER 1

INTRODUCTION

1-1. Scope

This manual describes Standing-Wave-Ratio Power Meter ME-165/G (fig. 1-1) and covers installation, operation, and maintenance instructions. Appendix A contains a list of publications applicable to this manual and Appendix C contains the maintenance allocation chart.

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 described 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 700-58/NAVSUPINST 4030.29/AFR 71-13/MCO P4030.29A and DLAR 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 4610.33B/AFR 75-18/MCO P4610.19C and DLAR 4500.15.

1-3.1. Reporting Equipment Improvement Recommendations (EIR)

If your Standing-Wave-Ratio Power Meter ME-165/G 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.

1-3.2. Administrative Storage

Administrative storage of equipment issued to and used by Army activities shall be in accordance with TM 740-90-1.

1-3.3. Destruction of Army Electronics Materiel

Destruction of Army electronics materiel to prevent enemy use shall be in accordance with TM 750-244-2.

1-4. Description of Standing-Wave Ratio Power Meter ME-165/G

a. The ME-165/G is used for measuring transmitter output power and standing-wave-ratio; it may also be used for terminating the transmitter during radio silence operation.

b. All components of the ME-165/G are mounted on the front panel which fastens into a louvered case with 10 screws. The rear of the case has a flange on top and a bracket on the bottom to permit wall mounting (fig. 1-2).

c. The unit is 13-1/2 inches by 9-5/8 inches by 9-5/8 inches, and has a gray, smooth finish. A wingnut on the bottom of the case secures a ground braid.

1-4.1. Component Comprising the Operable End Item

Standing Wave Ratio-Power Meter ME-165/G (FSN 6625-682-4464) comprises the operable end item.

1-5. Differences in Equipments

a. Standing-Wave-Ratio Power Meters ME-165/G, procured on Order Numbers 3219-Phila.-59 and 3241-Phila.-59, are similar in appearance, operation, and purpose to those procured on previous orders. They differ only in some piece-part reference designations which are outlined in the chart below:

NOTE

All reference designations not listed in the chart are identical for all units.

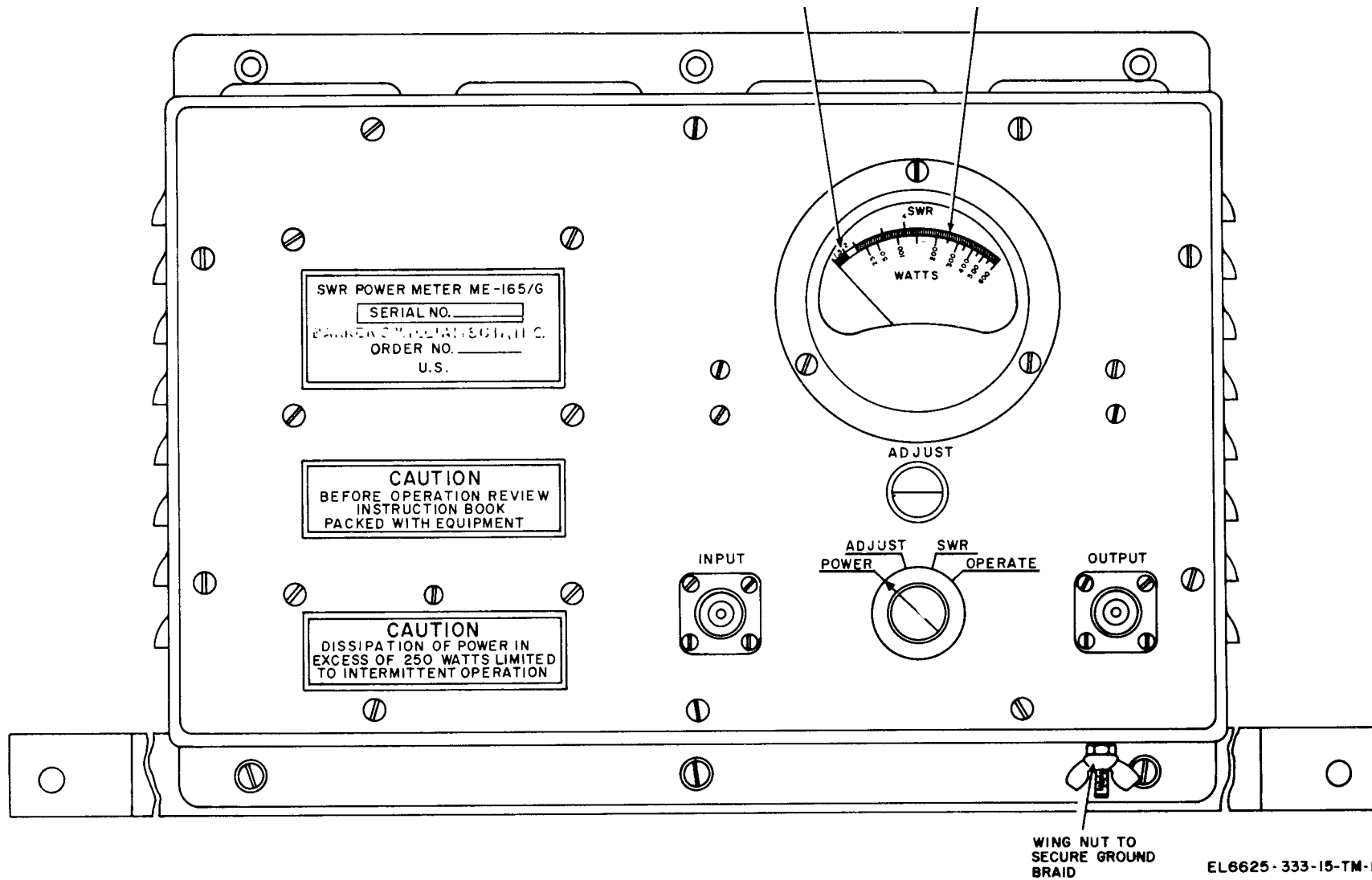


Figure 1-1. Standing-Wave-Ratio Power Meter ME-165/G