

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

DS AND GS MAINTENANCE MANUAL
WATTMETER ME-82/U

Headquarters, Department of the Army, Washington, D. C. 20315
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WARNING

Conform to all safety requirements applicable to the radio frequency (rf) transmitting equipment being measured or terminated when connecting or disconnecting the ME-82/U. Injury or DEATH could result from failure to comply with safe practices.

Table of Contents

		Paragraph	Page
CHAPTER	1. INTRODUCTION		
Section	I. General		
	Scope	1-1	3
	Index of publications.....	1-2	3
	Forms and records	1-3	3
	II. Description and data		
	Purpose and use	1-4	3
	Technical characteristics	1-5	3
	Description.....	1-6	4
CHAPTER	2. UNPACKING AND CHECKING		
	Unpacking.....	2-1	5
	Checking unpacked equipment	2-2	5
CHAPTER	3. FUNCTIONING OF ME-82/U		
	General.....	3-1	7
	Functioning	3-2	7
CHAPTER	4. MAINTENANCE		
	Test equipment required.....	4-1	10
	Tests.....	4-2	10
	Replacement of parts	4-3	10
CHAPTER	5. GENERAL SUPPORT TESTING PROCEDURES		
Section	I. Introduction		
	General.....	5-1	11
	Tools, test equipment, and additional equipment.....	5-2	11
	Modification work orders.....	5-3	11
	II. Tests		
	Physical tests and inspections.....	5-4	13
	Crystal diode, resistance, and meter sensitivity tests	5-5	15
	Summary of test data	5-6	18
APPENDIX.	REFERENCES		19

* This manual supersedes TB SIG 299, 4 October 1956.



Figure 1-1. Wattmeter ME-82/U.

CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual covers direct and general support maintenance for Wattmeter ME-82/U (fig. 1-1). It includes instructions for troubleshooting, testing, and repairing of the ME82/U, and replacing maintenance parts. It also lists equipment, tools, and materials required in performing direct and general support maintenance. The maintenance allocation chart is in TM 11-5820-303-12P and the authorized repair parts lists are in TM 11-5820-303-12P and TM 11-5820-303-35P. Functioning of the ME-82/U is covered in chapter 3.

1-2. Index of Publications

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. Department of the Army Pamphlet 310-4 is a current index of technical manuals, technical bulletins, supply manuals (type 4, 6, 7, 8, and 9), supply bulletins, supply catalogs (type CL), lubrication orders, and modification work orders available through publications supply channels. The index lists the individual parts (-10, -20, -35, etc) and the latest changes to and revisions of each equipment publication.

1-3. Forms and Records

a. Reports of Maintenance and Unsatisfactory Equipment. Use equipment forms and records in accordance with the instructions in TM 38-750.

b. Report of Damaged or Improper Shipment. Fill out and forward DD Form 6 (Report of Damaged or Improper Shipment) as prescribed in AR 700-58 (Army), NAVSANDA Publication 378 (Navy), and AFR 71-4 (Air Force).

c. Reporting of Equipment Manual Improvements. The direct reporting, by the individual user, of errors, omissions, and recommendations for improving this equipment manual is authorized and encouraged. DA Form 2028 will be used for reporting these improvements. This form may be completed by the use of pencil, pen, or typewriter. DA Form 2028 will be completed in triplicate and forwarded by the individual using the manual. The original and one copy will be forwarded direct to: Commanding General, U. S. Army Electronics Command, ATTN: AMSELMR-MA, Fort Monmouth, New Jersey, 07703. One information copy will be furnished to the individual's immediate supervisor (officer, noncommissioned officer, supervisor, etc).

Section II. DESCRIPTION AND DATA

1-4. Purpose and Use

The ME-82/U provides power output indications of radio transmitters while acting as a dummy load. It is used when tuning and testing radio transmitters, and its

operating instructions are provided in the applicable radio transmitter technical manuals.

1-5. Technical Characteristics

Frequency range	50 to 600 mc.
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