TM 11-6625-610-15

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL, DS, GS, AND DEPOT MAINTENANCE MANUAL

VOLTMETER, ELECTRONIC ME-227/U

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

HEADQUARTERS, DEPARTMENT OF THE ARMY

JANUARY 1965

AGO 7236A

This manual contains copyrighted by Millivac Instruments, Inc.

TECHNICAL MANUAL)
)
NO. 11-6625-610-15)

HEADQUARTERS,
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 19 January 1965

Organizational, DS, GS, and Depot Maintenance Manual

VOLTMETER, ELECTRONIC ME-227/U

		Paragraph	Page
CHAPTER 1.	INTRODUCTION		
Section I.	General		
	Scope	1	4
	Index of equipment publications	2	4
	Forms and records	3	4
II.	Description and data		
	Specifications	4	5
	Description and design	5	6
	Accessories	6	6
CHAPTER 2.	OPERATING INSTRUCTIONS		
	General information	7	7
	Initial operation and tests	8	7
	Special instructions for mid-zero operation		
	Special operating instructions		
CHAPTER 3.	PREVENTIVE MAINTENANCE INSTRUCTIONS		
	Scope of maintenance	11	12
	Preventive maintenance	12	12
	Preventive maintenance checks and service periods	13	12
	Daily preventive maintenance checks and services chart	14	14
	Weekly preventive maintenance checks and services chart	15	15
	Monthly preventive maintenance checks and services chart	16	16
	Quarterly preventive maintenance checks and services chart	17	17
	Cleaning	18	18
	Touchup painting instructions	19	18

			Paragraph	Page
CHAPTER	4.	FUNCTIONING OF EQUIPMENT		
		General description of circuit	20	19
		Applications	21	20
		Special instructions for square law dial	22	21
APPENDIX	I.	REFERENCES		22
	II.	MAINTENANCE ALLOCATION		23
	III.	BASIC ISSUE ITEMS LIST		27

TYPE MV-17C

DC Millivohmeter

UP SCALE READING REGARDLESS OF POLARITY

1,2.5 mV MID-ZERO RANGES FOR BRIDGE OR NULL INDICATION

REASONABLY PRICED

3% BASIC ACCURACY

HIGH IMPEDANCE INPUT

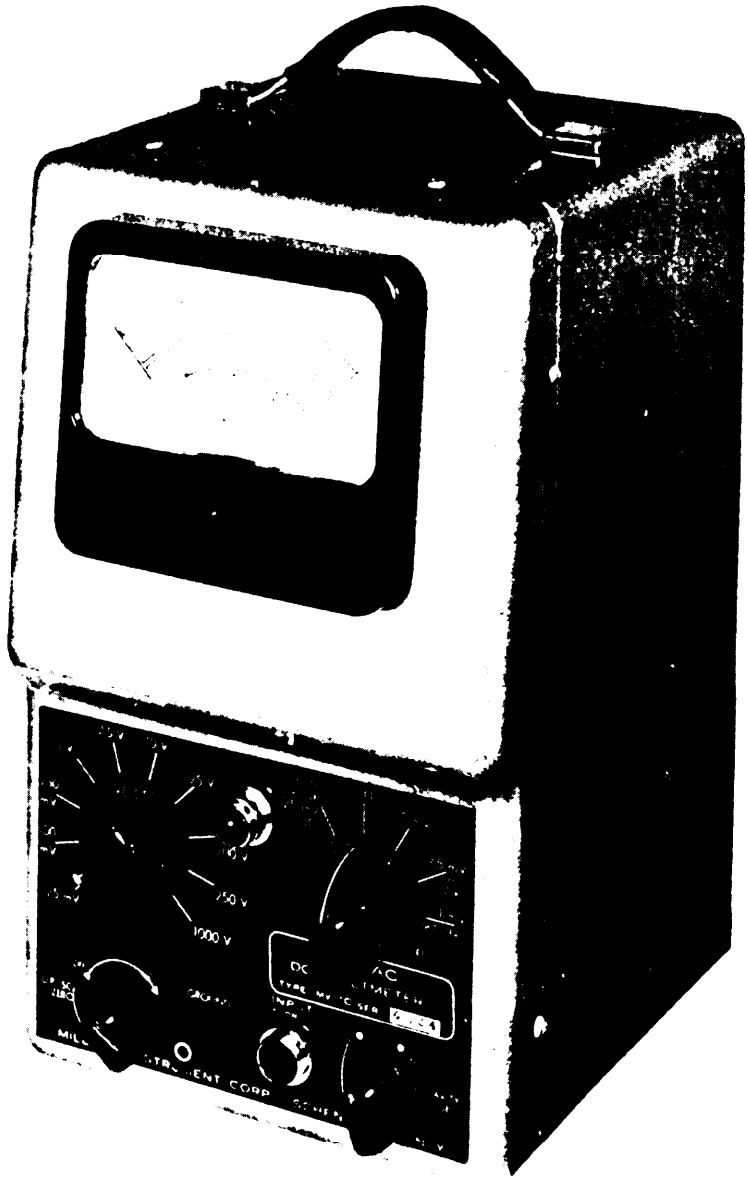

Figure 1. Voltmeter, Electronic ME-227/U.

CHAPTER 1

INTRODUCTION

Section I. GENERAL

1. Scope

This manual describes Voltmeter, Electronic ME-227/U (fig. 1) and provides instruction for operation, operator and organizational maintenance, and functioning of equipment. All references to MV-17C, in this manual, apply to Voltmeter, Electronic ME-227/U.

2. Index of Equipment 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 No. 310-4 is an index of current technical manuals, technical bulletins, supply manuals (types 4, 6, 7, 8, and 9), supply bulletins, lubrication orders, and modification work orders available through publications supply channels. The index lists the individual parts (-10, -20, -35P, etc) and the latest changes to and revisions of each equipment publication.

3. Forms and Records

a. Reports of Maintenance and Unsatisfactory Equipment. Use equipment forms and records in accordance with 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 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 forwaded direct to: Commanding General, U. S. Army Electronics Command, ATTN: AMSEL-MR-MP-P, Fort Monmouth, New Jersey 07703. One information copy will be furnished to the, individual's immediate supervisor (officer, noncommissioned officer, supervisor, etc).