

**TECHNICAL MANUAL**

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

**CURRENT METER ME, 511/U**

**(WESTON)**

**MODEL 931-2902001**

**(NSN-6625-00-781-5769)**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**  
**19 MAY 1981**

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TECHNICAL MANUAL }  
 TM 11-6625-2968-14 }

HEADQUARTERS  
 DEPARTMENT OF THE ARMY  
 WASHINGTON, DC, 19 May 1981

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

**CURRENT METER ME-511/U  
 (WESTON MODEL 931-2902001)  
 (NSN 6625-00-781-5769)**

**REPORTING OF ERRORS**

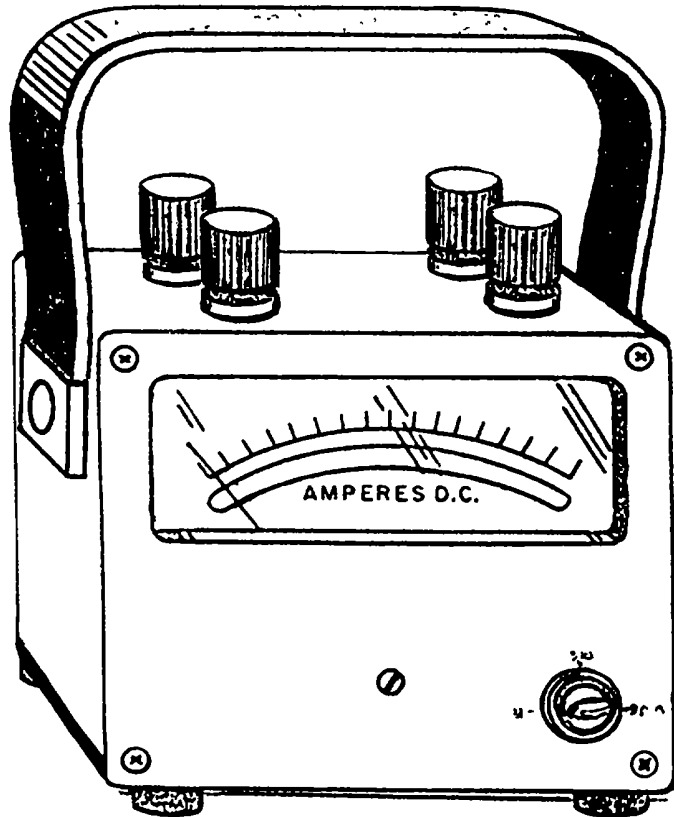
You can improve this manual by recommending improvements using DA Form 2028-2 located in the back of the manual. Simply tear out the self-addressed form, fill it out as shown on the sample, fold it where shown, and drop it in the mail.

If there are no blank DA Forms 2028-2 in the back of your manual, use the standard DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forward to the 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 is an authentication of the manufacturer's commercial literature which, through usage, has been found to cover the data required to operate and maintain this equipment. Since the manual was not prepared in accordance with military specifications, the format has been structured to consider levels of maintenance.



EL6A1001

Figure 1-1. Current Meter, ME-511/U.

**SECTION I  
GENERAL**

**1-1. Scope**

This manual describes Current Meter, ME-51 I /U (Weston Model 931-2902001, (fig. 1-1) and provides maintenance instructions, testing procedures, calibration instructions, and replacement parts list. The meter specifications are listed in Table 1-1.

**1-2. Indexes of Publications**

a. *DA Pam 3104.* Refer to the latest issue of the DA Pam 310-4 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

b. *DA Pam 3107.* 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 levels of maintenance are listed in and prescribed by TM 38-750.

b. *Report of Packaging and Handling Deficiencies.* 364 (Report of Discrepancy (ROD) as prescribed in AR 735-11-2/DLAR 4140. 55/ NAVMATINST 4355. 73/AFR 400-54/MCO 4430. 3E.

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 4610. 19C and DLAR 4500. 15.

**1-4. Reporting of Equipment Improve-**

**ment Recommendations (EIR)**

EIR's 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 Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME- MQ, Fort Monmouth, NJ 07703. A reply will be furnished directly to you.

**1-5. Administrative Storage.**

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

**1-6. Destruction of Army Electronics**

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

*Table 1-1. Current Meter ME-511/U specifications*

Parameter	Specifications
Range	0 to 5/20/50 Amperes, DC
Scale	0 to 5/20/50 Amperes, DC
Scale length	4. 04 inches
Mechanism full scale current	5 Milliampere
Accuracy	0 5% of full scale deflection (with instrument scale in horizontal position)