

**TM 11-6625-3031-14**

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**TECHNICAL MANUAL**

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

**COUNTER, PULSE, ELECTRONIC**

**TD-1338(V)1/USM**

**(NSN 6625-01-120-7832)**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

6 MAY 1983

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**FOR**

**COUNTER, PULSE, ELECTRONIC**

**TD-1338(V)1/USM**

**(NSN 6625-01-120-7832)**

**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 the back of this manual direct to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, NJ 07703.

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

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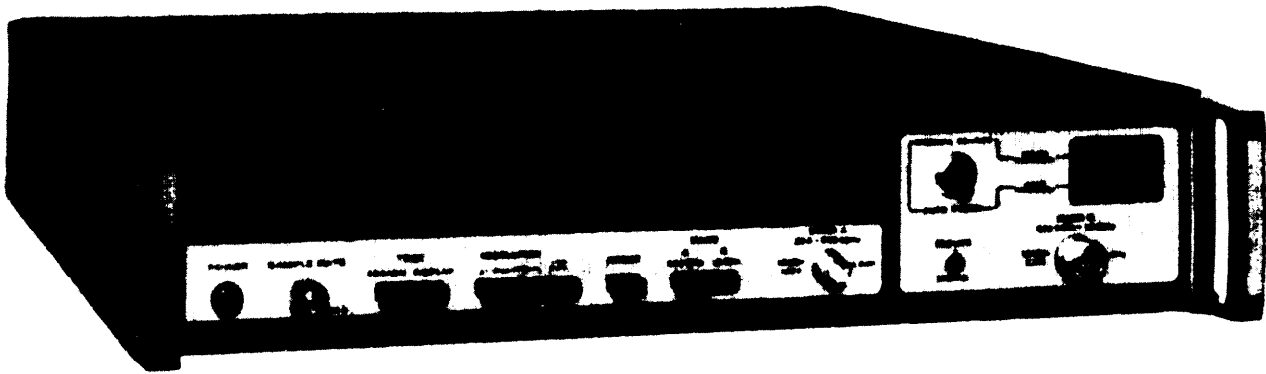


FIGURE 1-1

Figure 1-1. Counter, Pulse, Electronic TD-1338(V)1/USM

# CHAPTER 1 INTRODUCTION

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## Section I. GENERAL INFORMATION

### 1-1. Scope.

a. This technical manual covers operation and maintenance of Counter, Pulse, Electronic TD-1338(V)1/USM. Throughout this manual it is referred to as the counter.

b. The counter (fig. 1-1) is used to measure the frequency of cw, pulse-modulated, or frequency-modulated microwave signals between 300 MHz and 18 GHz. Pulse widths can be as narrow as 100 nanoseconds, with a maximum pulse repetition frequency of 2.5 MHz. Peak-to-peak deviation of FM signals may be as great as 40 MHz at 10 MHz modulation rates.

### 1-2. Reports of 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 prescribed by TM 38-750, The Army Maintenance Management System (Army). Air Force personnel will use AFM 66-1 for maintenance reporting and TO 00-35D54 for unsatisfactory equipment reporting.

b. Report of Packaging and Handling Deficiencies. Fill out and forward SF 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 Record (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/DLAR 4500.15.

### 1-3. Administrative Storage.

Administrative storage of equipment issued to and used by Army activities will have preventive maintenance performed in accordance with the PMCS charts before storing. When removing the equipment from administrative storage, the PMCS should be performed to assure operational readiness.

### 1-4. Destruction of Army Electronics Materiel.

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

### 1-5. Reporting Equipment Improvement Recommendations (EIR's).

If your counter 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 or performance. Put it on an SF 368 (Quality Deficiency Report). Mail it to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, New Jersey 07703. We'll send you a reply.

### 1-6. Warranty Information.

The counter is warranted by EIP Microwave, Inc. for 12 months. It starts on the date, found in block 23, DA Form 2408-9, in the logbook. Report all defects in material or workmanship to your supervisor, who will take appropriate action through your organizational maintenance shop.