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**TECHNICAL MANUAL**

**OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT  
AND GENERAL SUPPORT MAINTENANCE MANUAL  
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS  
FOR  
VERTICAL AMPLIFIER AM-6787(P)/U  
(TEKTRONIX MODEL 7SII SAMPLING UNIT)  
(NSN 6625-00-489-6449)**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

**30 JULY 1980**

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HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, DC, July 30, 1980

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AND GENERAL SUPPORT MAINTENANCE MANUAL  
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS  
FOR  
VERTICAL AMPLIFIER AM-6787(P)/U  
(TEKTRONIX MODEL 7S11 SAMPLING UNIT)  
(NSN 6625-00-489-6449)

**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 or DA Form 2028 (Recommended Changes to Publications and Blank Forms), direct to: Commander, US Army Communications and Electronics Materiel Readiness Command ATTN: DRSEL-ME-MQ, Fort Monmouth, New Jersey 07703. In either case, a reply will be furnished direct to you.

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## CHANGE INFORMATION

Abbreviations and symbols used in this manual are based on or taken directly from IEEE Standard 260 "Standard Symbols for Units", MIL-STD-12B and other standards of the electronics industry. Change information, if any, is located at the rear of this manual.

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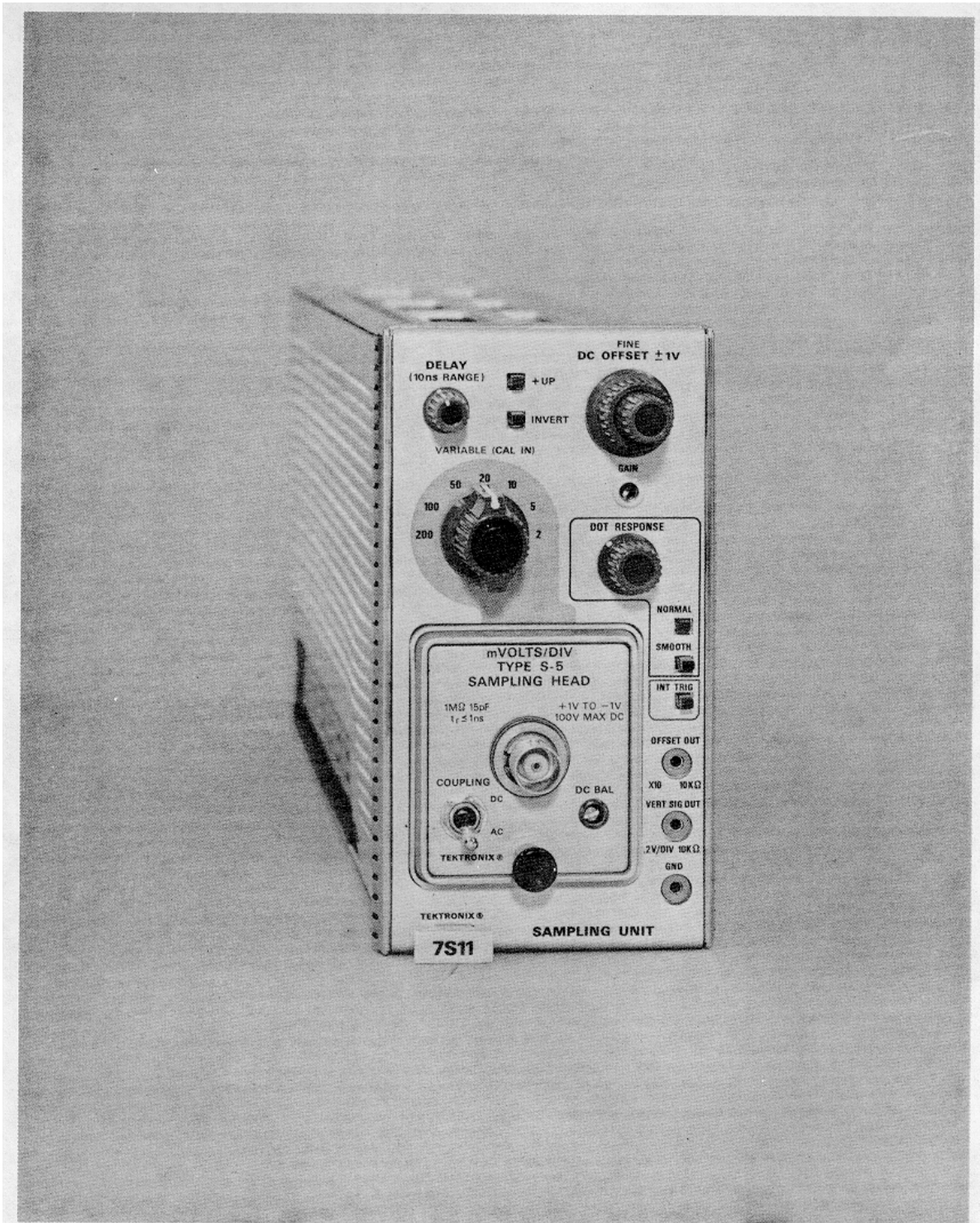


Fig. 1-1. 7S11 Sampling Unit.

## SECTION 0 INTRODUCTION

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### 0-1. Scope

This manual describes Vertical Amplifier AM-6787(P)/U, which is identified throughout this manual as Tektronix Model 7S11 Sampling Unit. The manual includes technical data, installation, operation and maintenance instructions. Section 7 includes a Cross-Reference Index between the Tektronix part numbers and the equivalent NATO/National Stock Number (NSN). Appendix A contains a list technical manuals and other publications that pertain to the AM-6787P/U and to equipments that support it. Appendix D contains the Maintenance Allocation Chart (MAC) which defines the levels and scope of maintenance functions for the equipment the Army system.

### 0-2. Indexes of Publications

- a. DA Pam 310-4. Refer to the test issue of DA Pam 310-4 to determine if there are any new editions, changes, or additional publications pertaining to the equipment.
- b. DA Pam 310-7. Refer to DA Pam 310-7 to determine if there are any modification work orders (MWO's) pertaining to the equipment.

### 0-3. 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 prescribed by TM 38-750, The Army Maintenance Management System.

b. *Report of item and Packaging Discrepancies.* Fill out and forward SF 364 (Report of Discrepancy (ROD)) as prescribed in AR 735-11-2/DLAR 4140.55/-NAVSUPINST 4440.127E/AFR 400.54MCO 4430.E.

c. *Discrepancy Shipment Report (DISREP) (SF36D1).* Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/-NAVSUPINST 4440.127E/AFR 400.54MCO 4430.E.

and DLAR 4500.15.

### 0-4. Reporting Equipment Improvement Recommendations (EIR)

If your AM-6787 (P)/U 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 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, New Jersey 07703. We'll send you a reply.

### 0-5. Administrative Storage

The AM-6787(P)/U can be stored in stockrooms, warehouses, or other protected facilities. The equipment should be protected from excessive humidity, sand, dust and chemical contaminants. Before putting the AM-6787P/U into administrative storage, make the following preparations:

- a. Perform the preventive maintenance inspections prescribed in Section 5 of this manual.

- b. Refer to Section 8 of the manual for repackaging instructions. If the required materials are available, repackage as indicated in Section 8. If complete repackaging materials are not available, at least protect the unit with protective plastic or paper wrapping. Store the equipment in a cardboard or wooden carton with protective packing material around it.

- c. Store the equipment indoor, protected from the elements. Maintain the equipment at moderate temperature and humidity.

### 0-6. Destruction of Army Electronics Materiel

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