

**TECHNICAL MANUAL**

**OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT AND  
GENERAL SUPPORT MAINTENANCE MANUAL  
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS**

**FOR**

**IMPEDANCE METER: VECTOR ZM-74/U  
(HEWLETT-PACKARD MODEL 4800A WITH MODEL 4801  
PLUG-IN) (NSN 6625-00-167-9861)**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

**2 SEPTEMBER 1981**

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TECHNICAL MANUAL }  
No. 11-6625-2851-14&P }

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DEPARTMENT OF THE ARMY  
WASHINGTON, DC 2 September 1981

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**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 2028-2 located in back of this manual direct to: 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 the equipment. Since the manual was not prepared in accordance with MIL-SPECS and AR 310-3, the format has not been structured to consider levels of maintenance, nor is it structured to the normal style of military publications.

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**Section 0. INTRODUCTION****0-1. Scope**

This manual contains the general description, installation, operation, principles of operation, and maintenance of the test instrument, which is known as the Impedance Meter: Vector ZM-74/U.

**0-2. Indexes of Publications**

Refer to the latest issue of DA PAM 3104 to determine whether there are new editions, changes, additional publications or modification work orders 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/NAV-MATINST 4355.73/AFR 400.54/MCO 4430.E.

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/NAV-SUPINST 4610.33B/AFR 75-18/MCO P4610.19C and DLAR 4500.15.

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

If your impedance Meter: Vector ZM-74t 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 it 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, NJ 07703. We'll send you a reply.

**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.

**0-5. Administrative Storage**

For administrative storage of your Impedance Meter: Vector ZM-74/U Wrap set in heavy kraft paper and tape securely with packaging tape.

**0-7. Warranty Information**

The Impedance Meter: Vector ZM-74/U (HEWLETT-PACKARD MODEL, 4800A) by HEWLETT-PACKARD for one year from the date of shipment. Warranty period starts on the date found in block 23 of 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.