

***TB 9-6625-2050-35**

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

CALIBRATION PROCEDURE FOR POWER METERS, TS-3793/U (HEWLETT-PACKARD 436A AND 436AOPT9/22) HEWLETT-PACKARD MODELS 435A, 435B, 435BOPT001, AND 435BE21

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*This bulletin supersedes TB 9-6625-2050-35, 4 August 1987, including all changes.

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SECTION I IDENTIFICATION AND DESCRIPTION

1. Test Instrument Identification. This bulletin provides instructions for the calibration of Power Meters, TS-3793/U (Hewlett-Packard 436A and 436AOPT9/22), Hewlett-Packard Models 435A, 435B, 435BOPT001, and 435BE21. The manufacturers' manuals were used as the prime data sources in compiling these instructions. The equipment being calibrated will be referred to as the TI (test instrument) throughout this bulletin.

a. Model Variations. Some models come with three different range scales (removable rings) that correspond to the power sensors normally used with the test instrument. The three scales are mounted on the range switch. Make sure that the proper scale is selected for this calibration procedure and that the normal scale is replaced when the calibration process has been completed. Other variations among models are described in text tables and figures.

b. Time and Technique. The time required for this calibration is approximately 4 hours, using the microwave technique.

2. Forms, Records, and Reports

a. Forms, records, and reports required for calibration personnel at all levels are prescribed by TB 750-25.

b. Adjustments to be reported are designated (R) at the end of the sentence in which they appear. When adjustments are in tables, the (R) follows the designated adjustment. Report only those adjustments made and designated with (R).

3. Calibration Description. TI parameters and performance specifications which pertain to this calibration are listed in table 1.