

***TB 9-6625-2137-35**

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

CALIBRATION PROCEDURE FOR VOLTMETER, FREQUENCY SELECTIVE AN/USM-490(), AND SELECTIVE LEVEL METER, HEWLETT-PACKARD, MODELS 3586B AND 3586C W/OPTIONS 001, 003, AND 004

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SECTION I IDENTIFICATION AND DESCRIPTION

1. Test Instrument Identification. This bulletin provides instructions for the calibration of Voltmeter Frequency Selective AN/USM-490(), and Selective Level Meter, Hewlett-Packard, Models 3586B and 3586C w/Options 001, 003, and 004. The manufacturer's manual was used as the prime data source in compiling these instructions. The equipment being calibrated will be referred to as the TI (test instrument) throughout this bulletin.

a. Model Variations. Variations among models are described in text.

b. Time and Technique. The time required for this calibration is approximately 12 hours, using the dc and low frequency 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 adjustments. 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.

Table 1. Calibration Description

Test instrument parameters	Performance specifications
Bandwidth selectivity	Range: 20, 400, and 3100 Hz Accuracy: 3 dB bandwidth $\pm 10\%$