

***TB 9-6625-2230-35**

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

CALIBRATION PROCEDURE FOR DIGITAL MULTIMETER JOHN FLUKE, MODEL 8060A

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REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

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*This bulletin supersedes TB 9-6625-2230-35, dated 8 February 1995.

SECTION I IDENTIFICATION AND DESCRIPTION

1. Test Instrument Identification. This bulletin provides instructions for the calibration of Digital Multimeter, John Fluke, Model 8060A. 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. None

b. Time and Technique. The time required for this calibration is approximately 1 hour, 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 adjustment. Report only those adjustments made and designated with (R).

3. Calibration Description. TI parameters and performance applications that pertain to this calibration are in table 1.

Table 1. Calibration Description

Test instrument parameters	Performance specifications
Dc voltage	Range: 0 to ± 1000 V (in 5 ranges) Accuracy: ¹ 200 mV and 2 V (0.04% + 2) 20, 200, and 1000 V ranges (0.05% + 2)
Ac voltage	Range: 0 to 750 V in 5 ranges Frequency: 20 Hz to 100 kHz Accuracy: ¹ 20 to 45 Hz: 200 mV, 2, 20, and 200 V (1% + 10) 45 Hz to 1 kHz: 200 mV (.2% + 10) 2, 20, 200, and 750 V (to 499.9 V) (.5% + 10) 750 V (500.0 and up) (1% + 10) 1 to 10 kHz: 200 mV (.2% + 20) 2, 20, and 200 V (.5% + 20) 10 to 30 kHz: 200 mV (.5% + 40) 2, 20, and 200 V (1.0% + 40) 30 to 50 kHz: 200 mV (1.0% + 100) 2, 20, and 200 V (2.0% + 100) 50 to 100 kHz: 200 mV, 2, 20, and 200 V (3% + 200)

See footnote at end of table