

***TB 9-6625-2262-35**

CALIBRATION PROCEDURE FOR MULTIMETER FLUKE, MODEL 8025A AND APN 13235191 (FLUKE, MODEL 8025B)

Headquarters, Department of the Army, Washington, DC.
4 November 2004

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*This bulletin supersedes TB 9-6625-2262-35, dated 19 August 1991.

SECTION I IDENTIFICATION AND DESCRIPTION

1. Test Instrument Identification. This bulletin provides instructions for the calibration of Multimeter Fluke, Model 8025A and APN 13235191 (Fluke, Model 8025B). The manufacturer's manual and specification control drawing No. 13235191 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. Variations among models are described in text.

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 recorded are designated (R) at the end of the sentence in which they appear. 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 ±(% of reading + digits) (3½ digit display)			
Dc voltage	Range: 0 to 1000 V Accuracy: 0.2 + 1			
Ac voltage	Range	Accuracy		
		40 Hz to 2 kHz	2 to 10 kHz	10 to 30 kHz
	320.0 mV 3.200 V 32.00 V 320.0 V	0.5 + 3	2.0 + 3	4.0 + 10
	1000 V	1.0 + 3	3.0 + 3	N/A
	Resistance	Range		Accuracy
320.0 Ω		0.3 + 2		
3.200 kΩ 32.00 kΩ 320.0 kΩ 3.200 MΩ		0.2 + 1		
32.00 MΩ		1.0 + 1		
32.00 nS		2.0 + 10		
Dc current		Range: 0 to 10 A Accuracy: 0.75 + 2		
Ac current	Range: 0 to 10 A Frequency: 40 Hz to 1 kHz Accuracy: 1.5 + 2			