

10. Ac Voltage**a. Performance Check**

(1) Press function V AC and RANGE 1 pushbuttons.

(2) Connect ac calibrator (A1) to TI INPUT HI and LO terminals, using leads (B4 and B5).

(3) Adjust ac calibrator frequency to 1 kHz and output for a 1.0000-V indication on TI. If ac calibrator does not indicate between 0.9975 and 1.0025 V, perform b below.

(4) Repeat technique of (1) and (3) above, for settings and indications listed in table 6. If ac calibrator does not indicate within limits specified, perform corresponding adjustments in table 6.

Table 6. Ac Voltage Accuracy

Test instrument		Ac calibrator			Adjustments (fig. 1) (R)
RANGE pushbuttons	Indications (V)	Frequency	Indications (V)		
			Min	Max	
100 MV ¹	100.00 MV	1 kHz	0.09975	0.10025	AC 100 MV
100 MV ¹	100.00 MV	20 kHz	0.09940	0.1006	AC 100 MV HF
1	1.0000	20 kHz	0.9940	1.0060	1 V HF ADJ (1 V HF)
1	1.0000	10 kHz	0.9975	1.0025	----
1	1.0000	30 Hz	0.9940	1.0060	----
10	10.000	30 Hz	9.94	10.06	----
10	10.000	20 kHz	9.94	10.06	10 V HF ADJ (10 V HF)
10	10.000	10 kHz	9.975	10.025	----
10	10.000	1 kHz	9.975	10.025	----
100	100.00	1 kHz	99.75	100.25	----
100	100.00	20 kHz	99.4	100.6	----
100	100.00	30 Hz	99.4	100.6	----
1000	1000.0	30 Hz	994	1006	----
1000	1000.0	10 kHz	997.5	1002.5	----
1000	1000.0	20 kHz	994	1006	-----

¹Model 8120A only.

b. Adjustments. Adjust ac calibrator output voltage to 1.000 V. Adjust ACV CAL (ACV) (fig. 1) until TI indicates 1.0000 V (R).

(1) Press FUNCTION MA-AC and range 100 μ A pushbuttons.

(2) Connect equipment as shown in figure 3.

11. Ac Current (Model 8120A)**a. Performance Check**