

### Table 1-1. Specifications (1 of 3)

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Table 1-1. Specifications (2 of 3)

Electrical Characteristics	Performance Limits	Conditions
<b>AMPLITUDE MODULATION</b> <b>(Cont'd)</b> Indicator Accuracy <sup>2</sup>  AM Rates: Internal External  AM Distortion (internal rates)	$\pm 2\%$ ( $\pm 4\%$ of reading)  400 and 1 kHz, $\pm 3\%$ 25 Hz to 25 kHz  <1.5% <3% <5%	Depths <90% and internal rates  1 dB bandwidth, ac coupled  0 to 30% AM 31 to 70% AM 71 to 90% AM
<b>FM MODULATION</b> Maximum Peak Deviation ( $\Delta f_{pk}$ ): <sup>3</sup> Rates $\geq 60$ Hz  Rates <60 Hz  Resolution  Incidental AM  Indicator Accuracy <sup>3</sup>  FM Distortion (Total Harmonic Distortion)  FM Rates: Internal External	99 kHz 25 kHz 50 kHz 99 kHz  1600 x Rate 400 x Rate 800 x Rate 1600 x Rate  0.1 kHz 1 kHz  <0.1%  $\pm 5\%$ of reading  <0.5%  400 and 1 kHz, $\pm 3\%$ 25 Hz to 25 kHz	0.1 to 123.5 MHz (fc) 123.5 to 247 MHz (fc) 247 to 494 MHz (fc) 494 to 990 MHz (fc)  0.1 to 123.5 MHz (fc) 123.5 to 247 MHz (fc) 247 to 494 MHz (fc) 494 to 990 MHz (fc) (FM not specified for fc — $\Delta f_{pk}$ <100 kHz)  Deviations <10 kHz Deviations $\geq 10$ kHz  <20 kHz peak deviation and internal rates and carrier frequency $\geq 500$ kHz.  At internal rates. Add $\pm 5\%$ , if 250 Hz frequency increments are used.  100 Hz to 99 kHz peak deviations and internal rates.  1 dB bandwidth, ac coupled
<b>GENERAL</b> Operating Temperature Range  Power Requirements Line Voltage	0 to 55°C  100, 120, 220, or 240 Vac, +5%, -10%	
<sup>2</sup> AM depth is further limited by the Indicator Accuracy specification. <sup>3</sup> FM deviation is further limited by the Indicator Accuracy specification.		

Table 1-1. Specifications (3 of 3)

Electrical Characteristics	Performance Limits	Conditions
<b>GENERAL (Cont'd)</b> Line Frequency Power Dissipation Conducted and Radiated Electromagnetic Interference Net Weight Dimensions (Full Envelope): Height Width Depth	48 to 66 Hz 125VA maximum MIL STD 461A, VDE 0871  $<1.0 \mu\text{V}$  18.1 kg (40 lb)  133 mm (5.25 in.) nominal 425 mm (16.75 in.) nominal 520 mm (20.5 in.) nominal.	Conducted and radiated interference is within the requirements of methods CE03 and RE02 of MIL STD 461A, VDE 0871, and CISPR Publication 11.  Induced in a two-turn 2.5 cm (1 inch) diameter loop held 2.5 cm (1 inch) away from the front surface.  NOTE: For ordering cabinet accessories, the module sizes are 5-1/4H, 1MW, 17D.
Electrical Characteristics	Features	
<b>REMOTE OPERATION</b> HP-IB (IEEE 488) Capability:  Interface  Functions Controlled	Hewlett-Packard Interface Bus (HP-IB). HP-IB is Hewlett-Packard's implementation of IEEE Standard 488 (and the identical ANSI Standard MC1.1). The Signal Generator's compatibility with HP-IB is defined by the following list of interface functions: SH0, AH1, T0, L2, SR0, RL1, PP0, DC1, DT0, and C0.  All functions controlled from the front panel with the exception of DISPLAY, DISPLAY in conjunction with SEQ, Backspace, COARSE TUNE, FINE TUNE, and display HP-IB ADRS are programmable with the same accuracy and resolution as in local operation.	