

TABLE 1-2. EQUIPMENT SPECIFICATIONS

Characteristic	Specification
Frequency range	1107E/1207E: 3.70 to 8.40 GHz 1108E/1208E: 6.95 to 11.0 GHz
Frequency accuracy	±0.5% (digital readout)
Frequency stability	0.0008%/volt change in line, 0.005%/°C ambient
ΔF control	Range of 1.5 MHz minimum
Rated uncalibrated power output	1107E: ≥ 10 mw from 3.7 to 7.6 GHz ≥ 5 mw from 7.6 to 8.4 GHz
	1108E: ≥ 10 mw from 6.95 to 11.0 GHz
	1207E: ≥ 60 mw from 3.7 to 4.3 GHz ≥ 25 mw from 4.3 to 5.0 GHz ≥ 55 mw from 5.0 to 6.6 GHz ≥ 25 mw from 6.6 to 8.4 GHz
	1208E: ≥ 75 mw from 6.95 to 8.00 GHz ≥ 30 mw from 8.00 to 11.0 GHz
Attenuator range	1107E/1108E: +6 dBm (0.310 volts) to -130 dBm (0.1 microvolts)
Output power absolute accuracy	1107E: ±2 dB from 3.7 to 7.6 GHz* ±2.5 dB from >7.6 to 8.2 GHz*
	1108E: ±2 dB from 6.95 to 11.0 GHz *
Output impedance	1107E/1108E: 50 ohms, nominal
Output VSWR	1107E/1108E: 2:1 maximum
Types of output available	CW, square wave, or fm, without external modulation
Internal square wave:	
Rate	1000 ± 5% Hz, minimum
On-off ratio	Infinite
Synchronization	Internal

* When power monitor meter is set to CAL

TABLE 1-2. EQUIPMENT SPECIFICATIONS (Cont'd)

Characteristic	Specification
Internal fm:	
Rate	Power line frequency
Sweep Width	Continuously adjustable from 0 to 10 MHz, typical
Horizontal sweep output for scope time base	2 volts p-p min., power line frequency
Phase control range	Adjustable to 90°, minimum
External pulse modulation:	(Polarad Model 1020A recommended)
Level	Positive polarity, 15 to 50 volts peak
Rate	Single pulse to 100 kHz
Width of output pulses	0.2 to 2,500 microseconds
Rise time of output pulses	1107E/1207E: ≤ 0.15 microseconds
	1108E/1208E: ≤ 0.10 microseconds
Decay time of output pulses	1107E/1207E: ≤ 0.15 microseconds
	1108E/1208E: ≤ 0.10 microseconds
External fm modulation:	
Type and rate	Any waveshape having frequency components between 10 Hz and 0.5 MHz
Sweep width	Adjustable from 0 to 10 MHz, typical
RF monitor output	> -10 dBm
Power requirements	115 or 230 volts ± 10%, 50-60 Hz, 140 watts (50 to 400 Hz range optional, F option)
Dimensions	5¼"(13.4 cm) H x 16¾"(42.5 cm) W x 18¼"(47.1 cm) D
Weight	44 pounds (20 kg)