

KEYSIGHT TECHNOLOGIES (AGILENT HP)

8340B

The Keysight (Agilent/HP) 8340B is a high-performance synthesized sweeper operating from 10 MHz to 26.5 GHz, combining the frequency resolution and accuracy of a synthesizer with the sweep speed and versatility of an analog sweeper.

SPECIFICATIONS

General

Interfaces	HP-IB (IEEE-488)
Display	Multi-segment LED display

Physical

Operating Temperature	0 to 55 °C °C
Weight	34 kg kg

Frequency

Frequency Range	10 MHz to 26.5 GHz
Frequency Resolution	1 Hz to 4 Hz (frequency range dependent)
Frequency Bands	5 bands (0.01-2.4 GHz, 2.4-7.0 GHz, 7.0-13.5 GHz, 13.5-20.0 GHz, 20.0-26.5 GHz)
Internal Timebase Frequency	10 MHz

RF Output Power

Maximum Leveled Power (0.01 to 2.4 GHz)	+12 dBm
Maximum Leveled Power (2.4 to 7.0 GHz)	+12 dBm
Maximum Leveled Power (7.0 to 13.5 GHz)	+12 dBm
Maximum Leveled Power (13.5 to 20.0 GHz)	+10 dBm
Maximum Leveled Power (20.0 to 26.5 GHz)	+9 dBm
Minimum Leveled Power	-110 dBm (with Option 001 attenuator)
Output Impedance	50 Ohm

Spectral Purity

Harmonics (noise)	-35 dBc
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Sweep Characteristics

Sweep Time (Analog)	10 ms to 100 s
Number of Frequency Markers	5 frequency markers

Modulation

Minimum Pulse Width (Leveled)	100 ns
Minimum Pulse Width (Unleveled)	25 ns
Pulse On/Off Ratio	> 80 dB

Connectors

RF Output Connector	APC-3.5 (male)
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Mechanical & Environmental

Net Weight	34 kg (75 lbs)
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TECHNOLOGY

Synthesized sweep signal generation

APPLICATIONS

RF and microwave device testing, radar testing, electronic warfare simulation, and general purpose laboratory signal generation

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