

Specifications	HP 8643A ¹	HP 8644B ¹	HP 8664A ¹ HP 8665A/B ¹
Pulse Modulation On/Off Ratio: Rise/Fall Time, 10 to 90%: Repetition Rate: Internal Width/Delay:	> 35 dB > 80 dB, > 1030 MHz < 100 ns dc to 1 MHz N/A	> 35 dB > 80 dB, > 1030 MHz < 100 ns dc to 1 MHz N/A	Opt 008 > 80 dB < 5 ns dc to 10 MHz Yes
Internal Modulation Source Waveforms and Rates: Frequency Accuracy: Output Level (into 600 Ω): Output Resolution:	Sine, white Gaussian noise: 0.1 Hz to 400 kHz Triangle, sawtooth, square: 0.1 Hz to 50 kHz Same as timebase 1 V pk 2 mV pk		
Frequency Sweep Digital Sweep: Markers/Z-Axis Output: Phase Continuous Sweep:	Digitally stepped sweep over entire frequency range. Linear/log selection. 0.5 to 1000 s sweeps. 3 markers available/Z-axis output nominally +5 V/X-axis output nominally 0 to 10 V. 40 MHz of span available depending on carrier frequency. 20 ms to 10 s sweep times.		
Remote Programming Interface: Control Language: IEEE-488 Functions:	HP-IB (IEEE 488.2-1987) Hewlett-Packard Systems Language (HP-SL). All functions controlled except power. SH1, AH1, T6 TEO, L4, LEO, SR1, PPO, DC1, DTO, CO, E2		
General Power Requirements: Operation Temperature: Leakage: Calibration Interval: Weight: Dimensions:	± 10% of 100 V, 120 V, 220 V, or 240 V; 48 to 440 Hz; 500 VA (except HP 8643A/44B: 400 VA) 0° to 55° C Conducted and radiated interference meets MIL STD 461B REO2 and FTZ 1046. Recommended 3 years (MTBC) HP 8643A: 23 kg (50 lb). HP 8644B: 30 kg (67 lb). HP 8664A/65A/B: 35 kg (78 lb). 177 mm H × 426 mm W × 624 mm D (7 in × 16.8 in × 24.6 in). (Opt 010 adds 35 mm (1.4 in) to D.)		
¹ 3000 MHz for HP 8664A, 4200 MHz for HP 8665A, 6000 MHz for HP 8665B. ² N/A to HP 8665B. ³ Low-noise mode 3.			

Ordering Information

Base Price	HP 8643A	HP 8644B	HP 8664A HP 8665A HP 8665B	\$28,890 \$38,315 \$39,200
Options:				
001 High-Stability Timebase	\$1,650	\$1,650		\$1,650
002 2 GHz Doubled Output	\$5,000	\$7,625		N/A
003 Rear-Panel Input/Output	\$430	\$430		\$430
004 Low-noise Option	N/A	Standard		\$4,375
005 Electronic Attenuator (N/A with Opt 002)	Standard	\$535		N/A
008 Pulse Modulation	N/A	N/A		\$3,835
009 Specified VOR/ILS	\$1,600	\$1,600		N/A
010 Reduced-Leakage Configuration	\$1,600	\$1,600		\$1,600
011 2 GHz Internal Frequency Counter	\$1,065	\$1,065		N/A
907 Front-Handle Kit (5061-9690)	\$65	\$65		\$65
908 Rack Flange Kit (5061-9678)	\$35	\$35		\$35
909 Combined Front/Rack Flange Kit (5061-9684)	\$90	\$90		\$90
910 Extra Manual Set (includes service manual)	\$190	\$190		\$190
915 Add Service Manual	\$65	\$65		\$65
Service Kit				
W30 Add 3 Years to Return Warranty.	(08645-61116) \$650	(08645-61116) \$650	(08665-61116)	\$1,250
	\$425	\$425		\$875

¹HP-IB Cables

For off-the-shelf shipment, call 800-452-4844.