SIGNAL SOURCES

High-Performance RF (cont'd)

HP 8643A, 8644B, 8664A, 8665A, 8665B

Specifications	HP 8643A	HP 8644B	HP 8664A HP 8665A/B
Pulse Modulation			Opt 008
On/off ratio:	>35 dB >80 dB, >1030 MHz	>35 dB >80 dB, >1030 MHz	>80 dB
Rise/fall time, 10 to 90%:	<100 ns	<100 ns	<5 ns
Repetition rate:	dc to 1 MHz	dc to 1 MHz	dc to 10 MHz
Internal width/delay:	N/A	N/A	Variable, 50 ns to 1s
Internal Modulation Source			
Waveforms and rates:		Sine, white Gaussian noise: 0.1 Hz to 400 kHz Triangle, sawtooth, square: 0.1 Hz to 50 kHz	
Frequency accuracy:		Same as timebase	
Output level (into 600 Ω):		1 V pk, 2 V pk for HP 8643A and 8644B	
Output resolution:		2 mV pk	
Frequency Sweep			
Digital sweep:		Digitally stepped sweep over entire frequency range. Linear/log selection. 0.5 to 1000 s sweeps.	
Markers/Z-axis output:		3 markers available/Z-axis output nominally +5 V/X-axis output nominally 0 to 10 V.	
Phase continuous sweep:		40 MHz of span available at maximum carrier frequency. 20 ms to 10 s sweep times.	
Remote Programming			
Interface:		HP-IB (IEEE 488.2-1987)	
Control language:		Hewlett-Packard Systems Language (HP-SL). All functions controlled except power.	
IEEE-488 functions:		SH1, AH1, T6, TE0, L4, LE0, SR1, RL1, PP0, DC1, DT0, C0, E2	
General			
Power requirements:		±10% of 100 V, 120 V, 220 V, or 240 V; 48 to 440 Hz; 500 VA (except HP 8643A/44B: 400 VA)	
Operation temperature:		0° to 55° C	
Leakage:		Conducted and radiated interference meets MIL STD 461B RE02 and FTZ 1046.	
Calibration interval:		Recommended 3 years (MTBC)	
Weight:		HP 8643A: 23 kg (50 lb). HP 8644B: 30 kg (67 lb). HP 8664A/65A/B: 35 kg (78 lb)	
Size:		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.	

Ordering Information

	HP 8643A	HP 8644B	HP 8664A HP 8665A HP 8665B
Base Price	**$15,750**	**$23,000**	**$29,350 $38,900 $39,800**
Options:			
001 High-Stability Timebase	$1,675	$1,675	$1,675
002 2 GHz Doubled Output	$5,590	$7,740	N/A
003 Rear-Panel Input/Output	$425	$440	$440
004 Low-noise Option	N/A	Standard	$4,445
005 Electronic Attenuator (N/A with Opt 002)	Standard	$535	N/A
008 Pulse Modulation	Standard*	Standard*	$3,895
009 Specified VOR/ILS	$1,625	$1,625	N/A
010 Reduced-Leakage Configuration	$1,625	$1,625	$1,625
011 2 GHz Internal Frequency Counter	$1,085	$1,085	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	(08645-61116) $650	(08645-61116) $650	(08665-61116) $1,250
W30 Add 3 Years to Return Warranty	$375	$565	(HP 8664A) $700 (HP 8665A) $835 (HP 8665B) $950

*See specifications

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

For the most current prices and product information, contact your local Hewlett-Packard sales office—see page 654.