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SIGNAL GENERATORS

Synthesized Signal Generators

Models 8660A & 8660C (cont.)

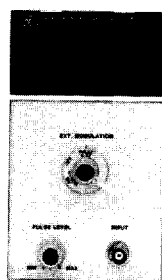
Pulse/AM

AM/High Deviation FM

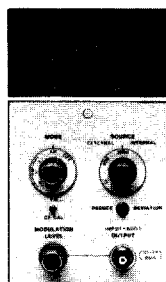
AM/ ϕ Locked FM

High rate ϕ M

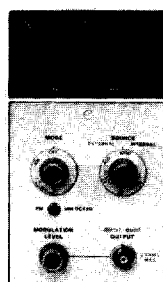
ϕ M/FM



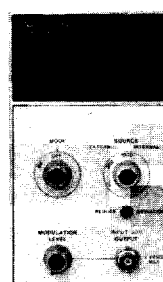
HP 86631B



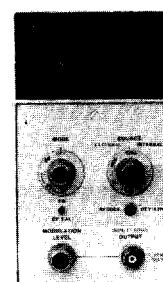
HP 86632B



HP 86633B



HP 86634A



HP 86635A

Modulation Section Specifications

		HP 86631B	HP 86632B	HP 86633B	HP 86634A	HP 86635A
	Functions	Ext. Only	Int. and Ext.	Int. and Ext.	—	—
AM	Indicated Accuracy (at 400 and 1000 Hz rates)	—	±5% of full scale With HP 86601A RF Section: ±7%, center frequency ≥ 100 MHz. With HP 86603A RF Section: ±10%, center frequency ≥ 1300 MHz.		—	—
FM	Functions	—	Int. and Ext., FM CF CAL	Int. and Ext.	—	Int. and Ext., FM CF CAL
	Center Frequency Long Term Stability	—	Typically less than 200 Hz/hr	Same as in CW Mode (3×10^{-9} /day)	—	Typically less than 200 Hz/hr
	Indicated Accuracy (up to 20 kHz rates)	—	±5% of full scale		—	±5% of full scale
Pulse	Functions	Ext. Only	—	—	—	—
ϕ M	Functions	—	—	—	Int. and Ext.	Int. and Ext.
	Indicated Accuracy (15°C to 35°C)	—	—	—	±5% of full scale up to 100 kHz rates ±8% of full scale up to 2 MHz rates ±15% of full scale up to 10 MHz rates	
Meter		—	0–100% AM 0–10, 100, 1000 kHz FM Pk. Dev. (0–20, 200, 2000 kHz FM for CF ≥ 1300 MHz)	0–100% AM 0–10, 100 kHz FM Pk. dev. (0–20, 200 kHz FM for CF ≥ 1300 MHz)	0–100° Peak ϕ M (0–200° for CF ≥ 1300 MHz)	0–10, 100, 1000 kHz FM, 0–100° Pk ϕ M (0–20, 200, 2000 kHz FM, 0–200° Pk. ϕ M for CF ≥ 1300 MHz)
Internal Modulation Source Output		None —	400 Hz and 1 kHz ±5% 200 mV minimum into 10 Ω . Available at front panel BNC connector			
Input Impedance		50 Ω Pulse 600 Ω AM	600 Ω	600 Ω	50 Ω	600 Ω
Weight		Net, 1.4 kg (3 lb) Shipping, 2.3 kg (5 lb)	Net, 2.7 kg (6 lb) Shipping, 4.1 kg (9 lb)	Net, 2.7 kg (6 lb) Shipping, 4.1 kg (9 lb)	Net, 1.8 kg (4 lb) Shipping, 3.2 kg (7 lb)	Net, 2.7 kg (6 lb) Shipping, 4.1 kg (9 lb)

Ordering Information

HP 8660A Synthesized Signal Generator Mainframe

HP 8660C Synthesized Signal generator Mainframe

Options for HP 8660A, 8660C

Option 001: $\pm 3 \times 10^{-9}$ /day internal reference oscillator	add \$210
Option 002: no internal reference oscillator	less \$300
Option 003: operation from 50 to 400 Hz line	add \$155
Option 004: 100 Hz frequency resolution (200 Hz above 1300 MHz)	less \$350
Option 005: HP-IB programming interface	\$250
Note: HP-IB cables not supplied, see page 742.	
Option 009: (HP 8660A only) LED display indicates selected frequency in 1-2-4-8 BCD code	add \$210
Option 100: HP 11661B factory installed inside main frame	add \$5,100
Option 908: Rack Flange Kit	\$40
HP 86601A 0.01–110 MHz RF Section	\$6,500

Price

HP 86602B 1–1300 MHz RF Section	\$7,000
HP 86603A 1–2600 MHz RF Section	\$9,500
Note: HP 86602B and 86603A RF sections require an HP 11661B for operation.	
Option 001: no RF output attenuator (all RF Sections)	less \$600
Option 002: adds phase modulation capability (HP 86602B, 86603A only)	add \$2,250
Option 003: allows operation of HP 86603A with HP 8660A mainframe	add \$250
HP 11661B Frequency Extension Module	\$5,100
HP 86631B Auxiliary Section	\$550
HP 86632B AM/FM Modulation Section	\$3,000
HP 86633B AM/FM Modulation Section	\$3,200
HP 86634A ϕ M Modulation Section	\$2,400
HP 86635A ϕ M/FM Modulation Section	\$3,500
HP 11672A Service Accessory Kit	\$1,005
HP 11707A Test Plug-in	\$2,200



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