# **RF / Audio** Generators



Model 2005B

## 150 MHz RF Signal Generator

- 100 kHz to 150 MHz on six bands
- Output to 450 MHz on harmonics
- AM modulation, internal or external Frequency monitor output for external
- frequency counter

# 3001

3001

# Model 3001

### 20 Hz-150 kHz Sine/Square Wave Audio Generator

- Sine and square wave generator
- 20 Hz to 150 kHz in 46 steps
- Low distortion R-C oscillator
- Variable output control
- Compact, fully portable, light weight
- Low battery indicator

frequency counter Step and variable attenuation		Specifi	Specifications model 3001	
Spec	ifications model	Frequency Range	x1 range 20 Hz to 1.5 kHz (23 steps), x100 range 2 kHz to 150 kHz (23 steps)	
	2005B	Accuracy	20 Hz through 100 kHz ( $\pm$ 3% or less), 120 kHz and 150 kHz ( $\pm$ 5% or less)	
AAIN OUTPUT		Output Control	0dB/-20dB attenuator switch and variable amplitude control	
Frequency Range	100 kHz to 150 MHz (up to 450 MHz on third harmonics)	Output impedance	approx. 600Ω	
	A) 100 kHz-300 kHz	SINEWAVE CHARACTERISTICS		
	B) 300 kHz-1 MHz	Output Voltage	>1.2V rms at max. setting (no load)	
	C) 1 MHz-3.2 MHz	Output Flatness	(Short term) 20 Hz to 150 kHz ±0.5dB (reference frequency 1 kHz	
	D) 3 MHz-10 MHz	Distortion	200 Hz-15kHz 0.5% (THD) or less, 50 Hz-28 kHz 0.1% (THD)	
	E) 10 MHz-35 MHz		or less, 20 Hz—100kHz 0.3% (THD) or less	
	F) 32 MHz-150MHz	SQUARE WAVE CHARACTERISTICS		
	(96-450 MHz on harmonics)	Output Voltage	> 5V p-p at maximum setting	
ial Accuracy	±3%	Rise and Fall Time	Less than 0.5microseconds	
RF Output Level	Continuously variable. Step attenuator provides approximately	Sag	Less than 5% at 20 Hz (DC coupled)	
	20 dB of attenuation	Over Shoot	<2% from maximum output, to 50mV p-p	
Maximum Output	Approximately 100 mV rms to 35 MHz. Continuously variable	Duty Ratio	50% +5%	
	in hi or lo step, at least 20 dB range of adjustment	SYNC OUTPUT CHARACTERISTICS		
		Output Voltage	>1.2V rms (no load)	
FREQUENCY MONITOR OUTPUT		Output Impedance	$1 k\Omega + 5\%$	
Frequency 100 kHz to 150 MHz		Other specifications same as sinewave characteristics		
vel	50 mV rms min. fixed, unmodulated signal	GENERAL INFORMATION		
AMPLITUDE MODULATION		Operating Temperature	$0^{\circ}$ C to $+50^{\circ}$ C; specifications apply from $10^{\circ}$ C to $30^{\circ}$ C, $<80\%$ R.H.	
Internal	Frequency 1 kHz; level continuously variable. Modulation signal	Storage Temperature	$-20^{\circ}$ C to $+60^{\circ}$ C, without battery	
	available at front panel jack; fixed 1 V rms (min) into approx. 10 k $\Omega$	Power Requirements	9V battery NEDA 1604A	
ternal	Frequency 50 Hz to 20 kHz	Battery Life	35 hours typical with Alkaline	
ensitivity	Approximately 100 mV rms	Battery Indicator	LED indicates low battery	
OWER SOURCE	120/220/240V ±10%, 50/60 Hz	Dimensions (HxWxD)	6 x 3.3 x 0.9" (150 x 82 x 21mm)	
GENERAL		Weight	7 oz. (200 g) including battery	
imensions (HxWxD	)) 5.91 x 9.84 x 5.12" (150 x 250 x 130 mm)	0.000	ories One Year Warrant	
/eight	5.5 lbs. (2.5 kg)		ories one real warrant	

Accessories

SUPPLIED: BNC to Insulated Clip Output Cable, Detachable Power Cord, Instruction Manual

plug ų Instruction manual