

SPECIFICATIONS

FREQUENCY CHARACTERISTICS

General

Frequency Range	.02 Hz to 2 MHz in 7 ranges.
Tuning Range	Each range provides 1000:1 frequency control.
Outputs	Sine, triangle, square wave, TTL square wave, pulse, ramp, skewed sine wave, tone burst, DC.
Accuracy	±5% of full scale to 1.5 MHz, ±8% from 1.5 MHz to 2 MHz (includes dial scale accuracy and range-to-range accuracy).
Stability	.05% after 15 minutes.
External Frequency Control (Rear Panel Input)	VCG tunable by 0 to +10.0 VDC. Frequency increases with positive voltage. Frequency may be programmed with DC voltages, FM-modulated with AC, or swept with ramp. VCG tuning range greater than 1000:1; with dial setting of .002, 0 to 10 volt ramp produces frequency change of 1000:1.
Generator Control Voltage Output	GCV OUT jack on rear panel provides 0 to 2.0 volts output proportional to dial setting or sweep frequency.
Variable Symmetry	Variable over 1:1 to 40:1 range. Independent of frequency. Controls all output waveforms, including TTL. Adjusts square wave to rectangular wave or pulse, triangle wave to ramp or sawtooth, slews sine wave.
AM Modulation	1.5 V p-p external signal provides 100% modulation. Percentage of modulation continuously variable. Capable of suppressed carrier operation.
DC Offset	Continuously variable; maximum of ±10 V open circuit, ±5 V into 50 ohms. Maximum V_{AC} peak + V_{DC} offset without clipping is ±20 V open circuit, ±10 V into 50 ohms.
Polarity	Inverted or non-inverted.
Square Wave	Variable amplitude.
Symmetry	99% to 100 kHz.
Rise/Fall Time	Less than 100 nSEC at maximum output.