SEINTEK® G5100 15MHz Programmable Sweep/Function Generator

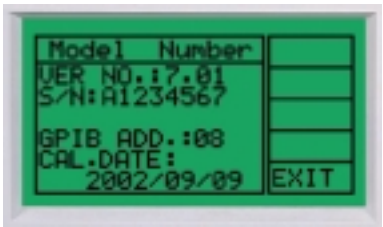
Features

Waveform	▪ 15MHz Sine, Square Wave ▪ 100kHz Triangle and Ramp Wave
Mode	▪ CW, BURST, SWEEP, TRIG
Frequency Range	▪ 1Hz~15MHz
Resolution	▪ 4 Digits
DC Offset	▪ -7.5V ~ +7.5 V
Stability	▪ Direct digital synthesis for excellent stability
Setup	▪ Setting and functions may be selected and stored in memory from the front panel. Eight setups may be stored in memory.
Equipment	▪ Displays information about your instrument including the Model number, serial number, Calibration date, GP-IB address and Firmware revision.
Remote Control	▪ Function and ranges may be controlled from a PC via the RS232
Power Source	▪ May be used with any line voltages from 85V to 270Vac (±10%, 48 to 66Hz) without any internal changes.
Display	▪ 128 by 64 pixel Super Twisted LCD display

AMP Display

Sweep Display

Setup



Equipment

Electrical Specifications

Frequency Characteristics	Freq. Range		1Hz to 15MHz
	Resolution		4 Digits
	Accuracy		±(Set Value * 0.5% + 1 digit)
Output Characteristics	Output waveforms		Sine, Triangle, Square, TTL rectangular, Step, etc
	Output range		Max. 20Vpp (No load); Max.10Vpp into 50Ω
	Impedance		50Ω ± 5%
	Attenuator		0dB, 20dB<
	DC offset		±7.5V DC (No Load)
Wave form Characteristics	Sine wave	Freq. range	1Hz to 15MHz
		Amplitude	Max.10Vpp (into an Impedance 50Ω)
		Distortion	<1.5% (10Hz to 100kHz)
	Triangle wave	Freq. range	1Hz to 100kHz
		Linearity	Better than 1%
	Square wave	Freq. range	1Hz to 15MHz
		Rise & Fall time	< 35nS (Maximum output)
		Symmetry	20% to 80%
	Pulse wave	Freq. range	1Hz to 15MHz
		Rise & Fall time	< 35nS (Maximum output)
		Duty Cycle	100nS to 10S
	Ramp wave	Freq. range	1Hz to 100kHz
		Linearity	1% (1Hz~100kHz)
SWEEP Characteristics	SWEEP period		9.95S to 0.05S
	SWEEP range		1:1 to 10:1
	External SWEEP		To be controlled by the VCF input
VCF input	Input voltage		±5V DC, maximum sweep occurs at 5VDC
	Accuracy		1%
	VCF Input impedance		Approximately 1kΩ
TTL output	Level (TTL)		Fixed amplitude, < 0.4V: for a low “L”, and g> than 2.4V: for a high “H”
	Rise and Fall time		< 35nS
FUNC output	Level (TTL)		Variable Amplitude (Max. 10Vpp, Impedance 50Ω)
General	Power Source		85V to 270Vac(±10%, 48 to 66Hz)
	Dimensions / Weight		235(W) x 296(D) x 85(H) mm / About 1.5 kg
	Standard Accessories		Users Manual, BNC cable, Line Cord, Spare fuse, RS232 Cable and S/W