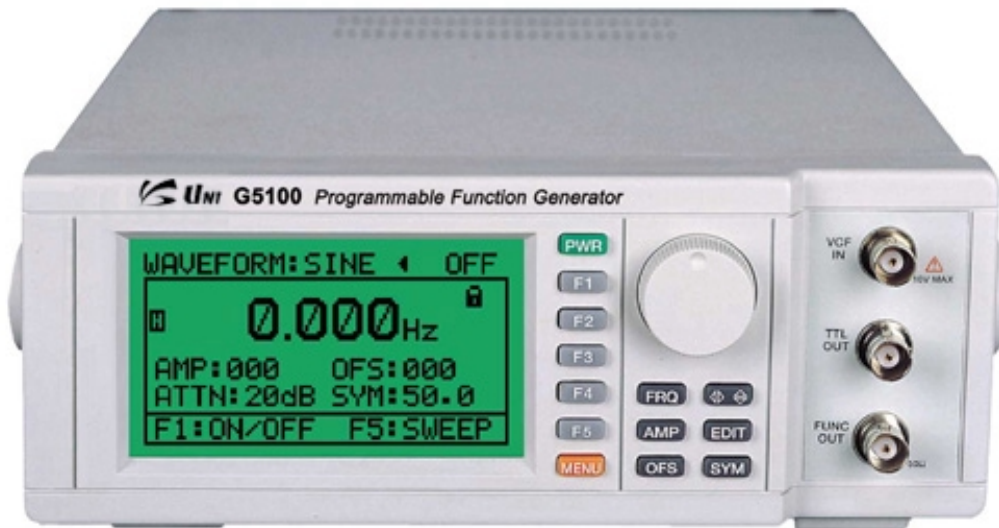


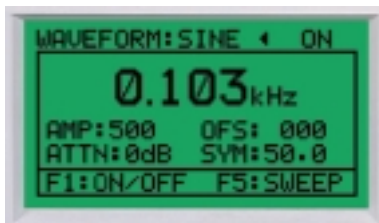
# 15MHz Programmable Sweep Function Generator

## G5100

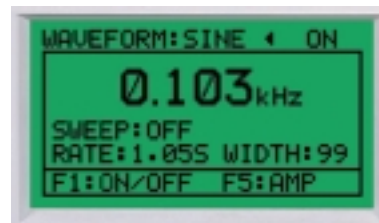


### ■ FEATURE

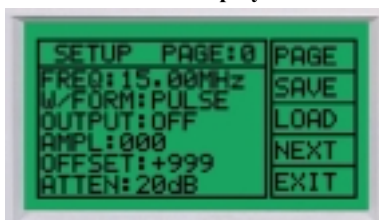
- 1MHz to 15MHz frequency output in 4 digits resolution LCD display
- Waveform : Sine and Square wave (15MHz)  
                   Triangle and Ramp wave (100KHz)
- CW, BURST, SEWWP and TRIG. Mode
- DC Offset : -7.5V to +7.5V
- Direct display synthesis for excellent stability
- Setup : Setting and functions are selected and stored in memory from the front panel.  
       Eight setups are stored in memory.
- Equipment : Display information about your instrument including model number, serial number, calibration date, GPIB address and firmware revision.
- Remote Control : Built-in RS232C or optional GPIB interface
- 128 by 64 pixel super twisted LCD display
- Power Source : 85V to 270VAC ( $\pm 10\%$ , 48 to 66Hz)



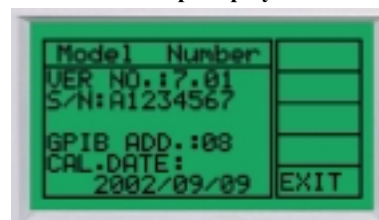
AMP Display



Sweep Display



Setup



Equipment

## ■ Technical Specification

Frequency Characteristics	Freq. Range		1Hz to 15MHz			
	Resolution		4 Digits			
	Accuracy		$\pm(\text{Set Value} * 0.5\% + 1 \text{ digit})$			
Output Characteristics	Output waveforms		Sine, Triangle, Square, TTL rectangular, Step, etc			
	Output range		Max. 20Vpp (No load); Max.10Vpp into 50 $\Omega$			
	Impedance		50 $\Omega \pm 5\%$			
	Attenuator		0dB, 20dB<			
	DC offset		$\pm 7.5\text{V DC (No Load)}$			
Wave form Characteristics	Sine wave	Freq. range	1Hz to 15MHz			
		Amplitude	Max.10Vpp (into an Impedance 50 $\Omega$ )			
		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		$\pm 5\text{V DC}$ , maximum sweep occurs at 5VDC			
	Accuracy		1%			
	VCF Input impedance		Approximately 1k $\Omega$			
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 50 $\Omega$ )			
General	Power Source		85V to 270Vac( $\pm 10\%$ , 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			
	Optional Accessories		GP-IB (IEEE-488.2) Interface (Installed)			
Packing Details	Packing	Q'ty	Size (mm)	N.W. (kg)	G.W. (kg)	Remark
	Inner	1	265(L) x 375(W) x 115(H)	-	2.2	
	Carton	4	550(L) x 405(w) x 270(H)	8.8	10	