Electronix EXPRESS
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15MHz Programmable Sweep Function Generator

G5100

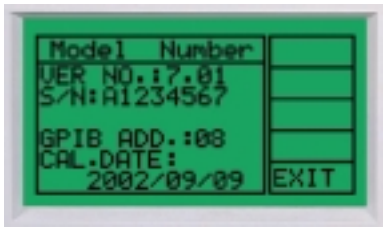
FEATURE

- 1MHz to 15MHz frequency output in 4 digits resolution LCD display
- Waveform : Sine and Square wave (15MHz)
  Triangle ad 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 (±10%, 48 to 66Hz)

AMP Display

Sweep Display

Setup



Equipment

■ Technical Specification

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			
	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	