

VG-813

Portable Video Signal Generator



Up to 150 MHz, A4 portable

VG-813 is a more sophisticated version of the VG-812 model and is a A4 sized compact, lightweight and low-cost portable analog video signal generator that maintains compatibility with conventional analog output VG series (panel ROM) brought by the gate array developed by us. The horizontal timing setting accuracy is improved to 1 dot level for all the area, and high-speed drawing is supported. Thus, the unit can be widely used in various sites ranging from research and development departments to production line and/or service departments.

¥Features

¥ High cost performance

Dot clocks up to 150 MHz are supported. Compactness, low price, low power consumption are realized while providing high capabilities, by installing a gate array.

¥ Setting accuracy as high as 1 dot level

Horizontal frequency setting accuracy as high as 1 dot is realized in all the band area covering 5 to 150 MHz.

¥ Simplified operation

Very simple to operate; select a program No. and press the Execute key.

Operations similar to those with the upper models are available by using a remote box (RB-614C, optional) and operation box (RB-647, optional).

¥ A wide variety of inspection patterns

Basic patterns (11 types including character, crosshatch, circle, color bar, gray scale, etc.)

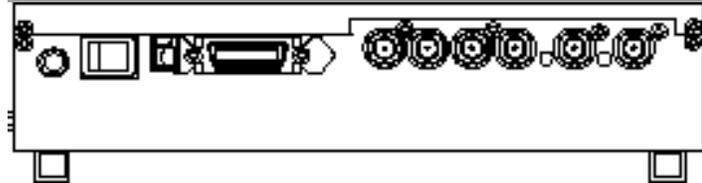
supported by conventional features and special patterns (approx. 30 patterns preinstalled) can be used in the same manners.

¥ Internal sample timing data

In addition to timings registered on the panel ROM, typical computer timings (40 types preinstalled) in a VG can be used to output patterns.



¥Background view



SPECIFICATIONS

Output specifications	Dot clock frequency	Analog 5.00 to 150.00 MHz TTL 5.00 to 37.50 MHz
	Horizontal frequency	10 to 130KHz, 8192 dots Max.
	Vertical scan lines	Max. 8192
	Video memory	2048 dots x 2048 dots
	Video signal output level	0.30 to 1.20 V Setup value can be switched ON/OFF using RS343A ratio.
	Sync signal output level (HS, VS, CS)	2 V or higher (75 Ω)
	Identification pulse	ON/OFF selectable
	Serration pulse	OFF/0.5H/1H/XOR selectable
	Composite video sync signal	ON/OFF selectable only for G (Level using RS343A ratio.)
	Scan	Non-interface, interlace & Sync, interface & Video
	Analog output (BNC)	R, G, B, HS, VS, CS (HS, VS and CS can be driven by TTL)
	TTL output (57 connector 24 pin)	R, G, B, RHT, GHT, BHT, HS, VS, CS, HD, VD, CLK
External interface		RS-232C
		Remote box (RB-614C)
General specification	Voltage	Automatic switching between 85 to 130 V and 170 to 250 V, (50/60 Hz)
	Power consumption	50W Max.
	Operating temperature range	5 to 40°C
	Storage temperature range	-10 to 50°C
	Operating humidity range	20 to 90 % (no condensation)
	Dimensions	295(W) x 55.5(H) x 210(D) mm (excluding projected parts)
	Weight	3 Kg