VG-823 Portable Video Signal Generator

Up to 250 MHz, A4 Portable

VG-823 is a more sophisticated version of the VG-812 and VG-813 models, which have been used as global standard machines, and is a portable analog video signal generator with efficient cost performance. The unit supports timings of 1600 x 1280 (horizontal frequency: 100 kHz or higher) and higher, and allows to set the accuracy as high as 1 dot, providing precise video signal outputs. By using an optional remote box "RB-649", program data can be edited and registered via on-screen menus. The unit can be widely used in various sites ranging from research and development departments to production line or service departments.

¥Features

¥ High cost performance

Dot clocks of up to 250 MHz are supported. Compactness, low price, low power consumption are realized while providing high capabilities, by installing a gate array.

¥ Registration using on-screen menus

By using an optional remote box (RB-649), menus can be displayed on the display unit with any timing, from which you can edit program data and register on the panel ROM.

¥ High speed pattern switching

Employment of a high speed CPU and our own circuit design made it possible to reduce time required to switch patterns. Using a RB-649, switching of patterns by singly touching a key is also possible.
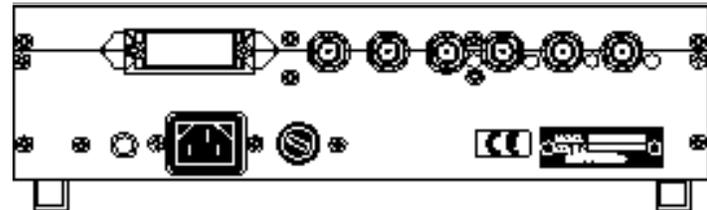
¥ A wide variety of inspection patterns

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 250.00 MHz TTL 5.00 to 50.00MHz
	Horizontal frequency	10 to 130KHz, 8192 dots Max.
	Vertical scan lines	Max. 8192
	Video memory	4096 dots x 2048 dots
	Video signal output level	0.30 to 1.20 V
	Sync signal output level (HS, VS, CS)	2V 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 RS343 ratio)
	Scan	Non-interlace, interlace & Sync, interlace & 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, RB-649)
General specification	Voltage	90 to 250V (50/60Hz)
	Power consumption	80W 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 74(H) x 210(D) mm (excluding projected parts)
	Weight	3.5 Kg