

Multimedia signal generator



- ▶ DVI Output
- ▶ Available tests for PAL, NTSC and HDTV systems
- ▶ Computer monitors VESA test
- ▶ Customized video formats
- ▶ Automatic detection of monitor supported formats
- ▶ Customized test sequences
- ▶ Electronic circle for geometry adjustments
- ▶ PC software included

The **GV-242** multimedia signal generator is an accurate, handy instrument; it provides signals, reference patterns and sound to support the verification of all kinds of computer monitors, video projectors, TV sets, flat screens (TFT & plasma) or multimedia monitors.

Its many features, like small size and battery operation, turn it into a very convenient instrument for both lab use and travelling service technicians. The **GV-242** is a portable, handy unit.

It features advanced characteristics, like self-calibration, colour sensors compatibility and customized test sequences; it also supports the design of customized video formats using *Video Generator Manager*, a PC application for MS Windows based computers .

Includes an RS-232 port, supporting PC-controlled operation and firmware updates.

▼ 20 Charts ▼

4:3 and 16:9 formats

Electronic circle

For TV sets
and monitors

Customized formats

▼ Outputs ▼

YPbPr

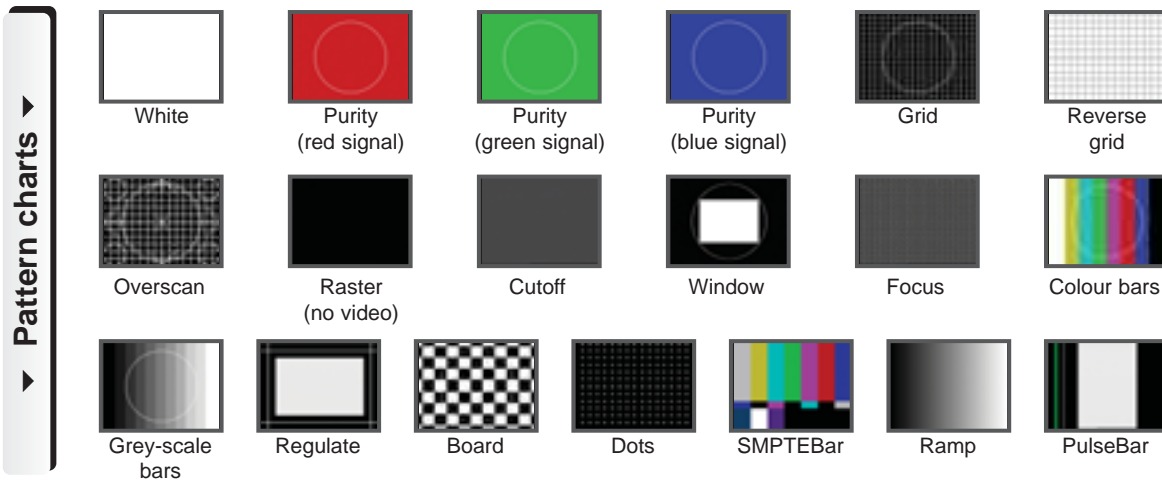
RGB

S-VHS

DVI

VESA

Supports high definition formats



Using an optional accessory (colour sensor), the **GV-242** can measure chromaticity (expressed as x,y coordinates according to the CIE standard) and screen brightness, that can be expressed in "fL" or "nits".

SPECIFICATIONS	GV - 242	User Interface	
Formats Storage Built-in Edit method	126 total VESA, DVI, PAL/NTSC, HDTV/SDTV-RGB, HDTV/SDTV-YPbPr MS Windows based <i>Video Generator Manager</i>	Display Controls Intuitive drill-down menus	20 x 4 character LCD with backlight Intuitive drill-down menus
Images Standard	White, Purity (red, green, blue), Grid, Reverse grid, Overscan, Raster, Cutoff, Focus, Colour bars, Grey-scale bars, Regulate, Checker, Dots, SMPTEBar, Ramp, Pulse Bar	Computer Port Type Purpose	RS-232C, 9 pin Copy formats and firmware updates from PC
Test sequence Storage Edit method Parameters	100 steps Using <i>Video Generator Manager</i> Format, image, duration (0.1 seg to 24 hours)	Color sensor support Description	Display data from a color sensor for white balance adjustment
Horizontal Timing Frequency Total pixels Active range	1.5 kHz - 250 kHz 32 to 4095 16 to 4294 pixels	DDC (Display Data Channel) Description Version	Read a monitor's EDID data and display the manufacturer's supported formats DDC-2B (read only)
Vertical Timing Frequency Active lines Sync types Scan types	1 Hz - 1 kHz 1 - 4095 Separate, digital/analogue composite Progressive, Interlace, HDTV	Sound Output Signal	Stereo connector, 3.5 mm Tone 1 kHz (left), Tone 2 kHz (right)
		Power supply DC Battery life AC Charge time Frequency Voltage	6 AA NiMh batteries included 8 hours between charges with NiMh Charger / generator power supply 8 hours 50 to 50 Hz 100 - 250 VAC (auto-select)
		Mechanical features Dimensions Weight	W. 210 x H. 152 x D. 41 mm. 700 g