NTSC Pattern Generators

1249B

1211E

Specifications

	1249B	1211E
		models
Color Bars	White (75% or 100%, switch selectable) Yellow, Cyan, Green, Magenta, Red, Blue, Black (7.5% set-up)	White, Yellow, Cyan, Green, Magenta, Red, Blue, and Black
Chroma	Switch Selectable	Auto/Manual
Accuracy	±5° and ±5 IEEE	
Staircase	COLOR OFF obtains staircase from color bars	Linear staircase signal with 5 equal steps from black to white
Rasters	Black	White, Red, Green, Blue, Yellow, Cyan, Magenta, and Black
Window	Does not apply	White window on black background
Convergence	Center dot	15 vertical x 11 horizontal
	7x11 dots	white dots on black raster
	7x11 crosshatch	white lines on black raster
	Center Cross	Centering Box on screen
		Circle with 1x1 crosshatch
RF Output	Channels: CH 3, CH 4, IF.	CH3 = 61.25MHz, crystal controlled
	61.25, 67.25, 45.75 MHz±0.008 MHz	
Level	10 mV rms minimum into 75Ω	
Impedance	75Ω	75Ω
Stability		50 ppm.
S-Video	Does not apply	Chrominance Output: 0.75V p-p into 75Ω
		Luminance plus Sync Output: 1V p-p into 75Ω
Composite Video	1V p-p into 75Ω	1.2V p-p into 75Ω
	Negative or positive polarity sync available	
Amplitude	Variable 0 to ±1.2V p-p into 75Ω	
	Calibrated 1V p-p position with negative sync.	
Impedance	75 Ω	
RGB Output		
Patterns	BNC and D-Type Sub-Miniature Connectors. convergence and color bars	Does not apply
Level	TTL level and low level, (0.8±0.2V), switch selectable	
Impedance	75Ω	
Sound	4.5 MHz ±0.2% modulated by approximately 1 kHz audio tone, switch selectable	
Sync Outputs		
Composite	NTSC-M TTL level; interlace for NTSC color bars and switch selectable interlace or progressive for convergence patterns (negative polarity sync)	Does not apply
Horizontal	TTL level (Positive polarity sync.)	
Vertical	TTL level (Positive polarity sync.)	
Impedance	75Ω	
Color Subcarrier	NTSC signal: 3.579545 MHz (+50Hz)	
Power Source	105 to 130VAC, 60Hz, 8W	9V battery or AC Adapter (not included) (9V DC, 100mA 5.5mm x 2.5mm center pin)
Operating Temperature	32° to 122°F (0°to +50°C)	
Dimensions	3.39 x 10.39 x 11.42" (86 x 264 x 290mm)	1.5 x 3.8 x 5.7" (38 x 97 x 145mm)
Weight	2.8 lbs (1.3kg)	9.6oz. (272g)

Accessories

One Year Warranty

SUPPLIED: instruction Manual, 9V battery (1211E)
OPTIONAL: BE-12 AC adapter

Model 1249B
NTSC Generator with RGB

The 1249B is ideal for comprehensive testing, servicing and adjustment of video and television equipment, television receivers, video tape recorders, video monitors, closed circuit television systems and components, and master antenna systems and components.

- **NTSC color bar pattern, ±5 and ±5 IEEE units**
- **CH 3, CH 4, and IF outputs crystal controlled**
- **Calibrated 1Vp-p or variable composite video output**
- **RGB outputs on BNC or 9-pin D connector**
- **Composite sync, vertical sync, and horizontal sync outputs**
- **Interlaced or progressive scan**
- **30 Hz signal is provided for isolation of servo problems in VCR's**

Model 1211E
Portable NTSC Pattern Generator with S-Video, Composite Video and RF outputs

This handheld NTSC Pattern Generator is powered by a 9 volt battery or AC adapter providing NTSC color bars, crosshatch, dot, staircase, circle, center cross, windows, and a full range of color raster patterns. The outputs available are composite video via RCA connector, a RF output BNC connector, or an S-Video mini-DIN output. Signals can be produced as an interlaced or progressive scanning mode.

- **S-Video, composite video, RF output**
- **Interlace or progressive scanning system**
- **9VDC battery (included)**
- **AC adapter available**