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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

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so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *Tektronix SPG-107A* at our website: ***Click HERE***

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Analog Generator



SPG170A NTSC Sync Generator.

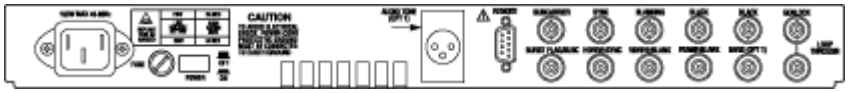
Features
› **Specs**

SPG170A

This product is discontinued.
View alternative products.

Check product support status.

CHARACTERISTICS



SPG170A Real Panel.

Test Signal and Black Burst Generator

Luminance Amplitude Accuracy - ±1%.

Chrominance-to-luminance Gain - ±1%.

Output Impedance - 75 Ohm.

Return Loss - 30 dB to 4.2 MHz.

Opt. 01 -
Color Bars: SMPTE color bars.
Identification: 12 characters, 7 x 9 matrix.
Audio Tone: 449.55 Hz (locked to vertical), distortion less than 0.01%, 0 to +8 dBu into 150 Ohm, 600 Ohm, or high impedance. Click ID adjustable 0.2 to 4 Hz.

Sync Generator

Subcarrier Stability - 3.579545 MHz ±1 Hz over temperature; typically less than 1 ppm per year drift after initial aging.

Black Burst Output -
Setup: 7.5 IRE.
Blanking: 10.7 µs.

Pulse Outputs (General Characteristics) -
Amplitude: 4.0 ±0.2 V.
Impedance: 75 Ohm.
Return Loss: 30 dB to 4.2 MHz.
Rise Time: 140 ns ±20 ns.

Pulse Outputs (Signals) -
Composite Sync.
Blanking: 10.7 µs ±0.1 µs.

Horizontal Blanking Duration: jumper selectable for 10.5 µs or 10.9 µs.

Burst Flag.
Horizontal Drive.
Vertical Drive.
Color Frame Pulse: field 1, line 11.

Subcarrier Output -
Amplitude: 2 V_{p-p} ±0.2 V.

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Sync Timing Range - 4 µs advance,
4 µs delay.

Genlock

Genlock Source (Comp Video) -
Input Configuration: 75 Ohm loopthrough.
Return Loss: at least 40 dB to 4.2 MHz.
Burst Amplitude: 286 mV +1 to -6 dB.
Sync Amplitude: 286 mV +3 to -6 dB.

Genlock Performance -
Horizontal Timing Range: 8 µs advance,
8 µs delay.
Vertical Timing Range: 0, 1, or 2 lines advance or 1 line delay, jumper selectable.
Burst Lock Range: 3.579545 MHz ±20 Hz.
Jitter: 0.5° maximum.

Power Source

Mains -
Voltage Range: 90 to 132 VAC or 180 to
250 VAC.

Power Consumption - 40 W typical, 60 W maximum.

Environmental

Temperature -
Operating: 0° to 50°C.
Nonoperating: -40° to 65°C.

Physical Characteristics

Dimensions	**mm**	**in.**
Height	44	1.734
Width	483	19
Depth	561	22.1
Weight	**kg**	**lb.**
Net	6.14	13.5
Shipping	10.4	22.9

CERTIFICATION

Safety - UL1244, CSA231, EN61010-1, IEC61010-1.

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Tektronix Measurement products are manufactured in ISO registered facilities.

49A-10733-4p618, 04/1996, 08/01/2000

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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