LT450
Multi Format Pattern Generator

The LT450 is a DTV-compatible multi-format pattern signal generator equipped with analog component, composite and digital (HDMI®) outputs. Component outputs are settable to RGB or Y, Pb Pr and on/off control of each channel is provided. Separate composite and sync outputs are also provided. The instrument also provides separate level controls for sync and video - a feature most appreciated by those testing for sync sensitivity for example.

Ideal for any application requiring a variety of analog signals, the LT450 generates the most popular test patterns including monoscope, color bar, ramp, crosshatch, multiburst, character, and permits variations on each pattern (on/off control of RGB, signal inversion, aspect ratio change, etc). Additional outputs such as DVI-I and HDMI® and analog outputs such as a SCART connector can be added as options.

MAIN FEATURES:

■ With the formats available on the LT 450, you can test most video displays, including television sets, PC monitors, and projectors. The LT 450 supports 19 component output formats, 8 composite output formats, and 5 PC monitor formats.

■ The LT 450 is equipped with an HDMI® connector, which is a digital interface used in household televisions and set-top boxes. It can be used to check HDCP compliant copyright protection functions and to make simple checks on the CEC and DDC functions (pass/fail results can be displayed on screen). Simple checks can be made simultaneously on up to seven outputs (when option units are installed).

■ Analog and digital component outputs can be switched between G, B, R and Y, PB, PR signal formats.

■ Equipped with an S connector for Y/C separation signal output. An ID signal is superimposed on the C signal.

■ Equipped with a JEITA CP-4120 D5 output. Supports ID signals (lines 1, 2, and 3).

■ Equipped with a mini D-sub 15-pin connector, which is an analog interface for PC monitors.

■ Equipped with a DVI-I connector, which is a digital interface for PC monitors. It can be used to check HDCP-compliant copyright protection functions and to make simple checks on the DDC function.

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MAIN FEATURES (cont):

- Equipped with sync signal connectors that transmit CS (trilevel or binary), HD, and VD signals. Analog audio output.
- The frequency (400 Hz or 1 kHz) can be set and the output can be turned off separately for left and right channels.
- You can make any test pattern into a simple motion picture pattern by scrolling it vertically, horizontally, or diagonally.

- The video signal level and the analog sync signal level can be adjusted separately in the range of 0 to 100 %.
- Supports closed captions. Teletext (VBI), CGMS, and WSS will be supported in the future.
- Remote control via RS232C.
- The LT 450 can be remotely controlled from a PC.
- Up to 100 panel settings can be stored and re-called.

LT450 - Rear Panel

AVAILABLE OPTION:

- **LT450-OP04:** Timing and picture tool for LT450

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