

## LT448

### Leader's Multiformat Pattern Generator



Cypress, CA, April 2004... Leader has a new Multiformat Pattern Generator, the LT 448. It is going to find a niche in testing and inspecting new multimedia products. Component signals are provided for 17 DTV formats conforming to ISDB, ATSC and DVB standards based on 1920 x 1080, 1280 x 720, 720 x 480, 720 x 576. Computer monitor testing as per VESA is provided at VGA, SVGA, XGA, and SXGA resolutions. Composite outputs can check NTSC-M/-J/-4.43, PAL-M/-60/-480 lines PAL, PAL-N, and SECAM at 574 lines.

Outputs include six types of connectors for DVI-D, D-15, D-5, Y/C, component analog and composite applicable to 29 different types of systems. Component signals can be selected as GBR or YP<sub>B</sub>P<sub>R</sub>. Composite sync as tri-level or binary level, is available along with separate horizontal and vertical drives. Super VHS output is provided to adjust and inspect Y/C equipment as required. The DVI-D output is compliant to DDWG requirements. The D-5 output conforms to the JAITA CP-4120 standard.

All test signals are generated in the digital domain to produce highly stable and accurate signals. Stock test patterns (22) include: monoscope, color bars, ramps, stair steps, crosshatch, multiburst, character, windows, rasters, etc... Dedicated monoscope patterns, (16:9 for HDTV, interlace 4:3 for SDTV, progressive 16:9(s) for SDTV) are applicable to DTV formats suitable for inspecting resolution in multiformats. Additional custom patterns may be down loaded via the RS-232C port to optional internal RAM.

User presets enable 100 combinations of format and pattern to be stored and recalled. RS-232C interface allows use of a personal computer to remote control the instrument. The address to be recalled can also be incremented or decremented by remote connector pin pull down. All in all these capabilities make the LT 448 suitable for production line applications of multiformat products including projectors.

Availability is through Leader's regional sales offices and nationwide distributor network. For more information on the LT 448 and the full line of Leader digital and analog test instruments, contact Leader USA at [www.leaderusa.com](http://www.leaderusa.com); e-mail: [sales@leaderusa.com](mailto:sales@leaderusa.com); call 800-645-5104 or fax: 714-527-7490.