

General:

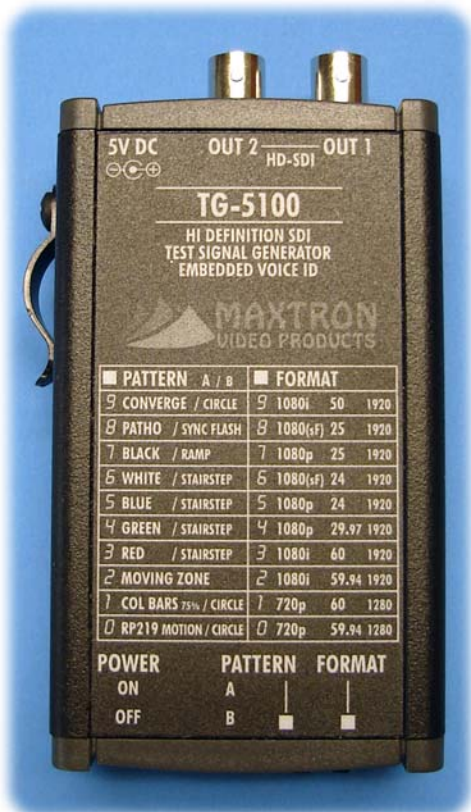
Don't let the size of the TG-5100 fool you, this is a full featured, multi-pattern, multi-format, SMPTE 292M HD-SDI generator with individual 16-Channel voice ID's and tones. The embedded voice repeats the channel ID every 15 seconds, leaving no doubts or confusion about the audio channel you're monitoring. Plus, between the voice ID's there are standard level 1kHz audio tone for the "right" and 440Hz audio tone for the "left" within each group. The inclusion of standard level tones permit very accurate system leveling. Both the US -20dBFS and the European -18dBFS standard levels are supported.

The pattern lineup was specifically chosen to expose system weakness and limitations. For example, a moving zoneplate is used to qualify video compression and scaling. The pathological pattern is used to stress the PLL's in the signal path. There is even the traveling wizard that moves smoothly about the screen to reveal dropped or repeated frames. Then there are the classic patterns: SMPTE RP 219 color bars, 75% full-field color bars, projector alignment and convergence grid, and RGB color fields plus black and white. A user selectable circle overlay is also included to aid in checking for proper display aspect.

Rugged and durable, the TG-5100 won't roll off the bench or hide under a monitor. It is housed in a mechanically strong, extruded aluminum box, with laser cut openings. Pattern and format selects use push-wheels that are not prone to being accidentally changed and always indicate the exact status of the generator.

Features:

- 2 SMPTE 292M compliment outputs
- 10 patterns
- 10 formats
- Full 20-bit pattern generation
- 16-Channel embedded audio with voicing and tones
- Designed for Portable or Bench applications with lab quality
- Extremely small size - 4 x 2.5 x 1.25 inches
- 100-240VAC to 5V DC power supply included
- **Now Available with Internal Li-ion Battery Pack**



Patterns A/B:

- RP219 with Motion/+Circle
- Full Field 75% Color bars/+Circle
- Moving Zoneplate
- Red/Stairstep
- Green/Stairstep
- Blue/Stairstep
- White/Stairstep
- Black/Ramp
- Pathological/Sync Flash
- Convergence/Circle

Formats:

- 720p59.94
- 720p60
- 1080i59.94
- 1080i60
- 1080p29.97
- 1080p24
- 1080sF24
- 1080p25
- 1080sF25
- 1080i25