

PTG 1802

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PTG 1802

"Testor | lite 3G" – SD/HD/3G SDI Test
Pattern Generator

Additional information

Specialty SDI 3G, SDI 1.5G, SDI
270MBit, Digital Audio

Product Documentation

- [Cut sheet / Specification](#)
- [Reference Manual](#)



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Features

SDI Outputs

- 2 x SDI video on 75 Ohm BNC connectors
- Each output is the same format and frequency, but can have different patterns
- SMPTE 424M, SMPTE 292M, SMPTE 259M

Video Formats

- **SDTV 270Mbit:** 525 (480i/59.94), 625 (576i/50)
- **HDTV 1.5Gbit:** 1080i/60, 1080i/59.94, 1080i/50, 1080p/30, 1080p/29.97, 1080p/25, 1080p/24, 1080p/24.98, 1080psf/25, 1080psf/24, 1080psf/23.98, 720p/60, 720p/59.94, 720p/50, 720p/30, 720p/29.97, 720p/25, 720p/24, 720p/23.98
- **HDTV 3G:** 1080p/60, 1080p/59.94, 1080p/50

Multiple 3G Streaming Modes

- One 3G stream, on both connectors. Direct mapping Level A (SMPTE 425)
- Two individual 1.5G streams, one per BNC Connector. Dual Link. (SMPTE 372)
- Two individual 1.5G streams multiplexed into a single 3G stream.
- Dual Link Level B (SMPTE 425)

Embedded Audio Generator

- 4 x independent audio channels (2 Stereo pairs) each with adjustable level and frequency
- Preset frequency selections: 50, 100, 200, 250, 400, 500, 800, 1k, 2k, 4k, 8k, 16kHz
- Level adjustments: 0 to -79dBFS in 1dB steps
- All 4 channels available to both SDI output embedders, which can embed 8 channels into any two groups (selectable). Each SDI Embedder can be configured independently with different groups and channel assignments.
- Note: When SMPTE 525 dual stream or dual link mode is used, audio is embedded into both streams.

Analog Reference Sync Output or input (Genlock)

- 1 x analog sync connection. BNC connection, 75 Ohm. Configurable as output or input. (Genlock)
- Reference output is the same standard as the selected SDI output
 - SDTV = Bi-level analog sync output (no burst or video content)
 - HDTV = Tri-level analog sync output
- Reference Input will frequency lock the Testor Lite to the connected reference
 - SDTV = Bi-level analog sync or Black Burst input
 - HDTV = Tri-level analog sync input

Large Internal Pattern Library

- **Static Patterns:** 100 Split Colorbars, 75 Split Colorbars, 100 Full Bars, 75 Full Bars,

Accessories

Ordering Information

UPC / EAN	Model	Description
4250479320437	PTG 1802	Testor Lite 3G Test Pattern Generator
Options		
4250479320451	PTG CASE	Cloth Protective case for Testor Lite
4250479320444	PTG BATT	Replacement Battery for Testor Lite

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