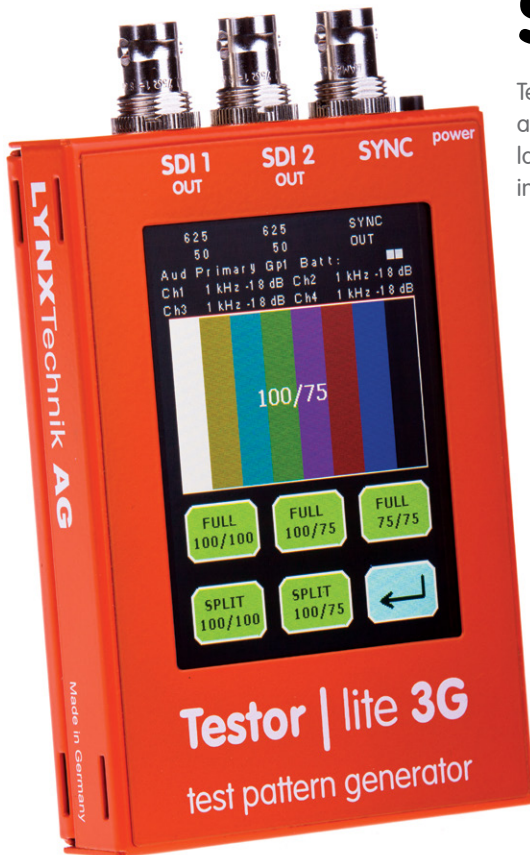


PTG 1802

Testor | lite 3G™

SDI test pattern generator

Testor | lite 3G is a compact SDI video and audio test generator designed to address a multitude of test and verification needs in modern digital infrastructures. The large color touch-screen provides a simple, intuitive user interface and the integrated rechargeable battery will provide for up to 4 hours of continuous use.



• 2 x Multi-format SDI Outputs

SDTV 270Mbit, HDTV 1.5Gbit, HDTV 3Gbit

• Multiple 3G Streaming Modes:

Two standard 3G streams (level A direct mapping)

Two 1.5Gbit outputs, one per BNC connector (dual link)

Two 1.5Gbit streams multiplexed into one 3G output (level B dual link)

• Embedded Audio Generator

Four independent audio channels

Each channel has adjustable frequency and amplitude

8 channels of audio embedded into both SDI outputs

Both SDI embedders can be independently configured

• Analog Reference Sync Input or Output

SDTV Bi-level, or HDTV Tri-level sync

• Large Internal Pattern Library

Static test patterns

Dynamic (moving) test patterns

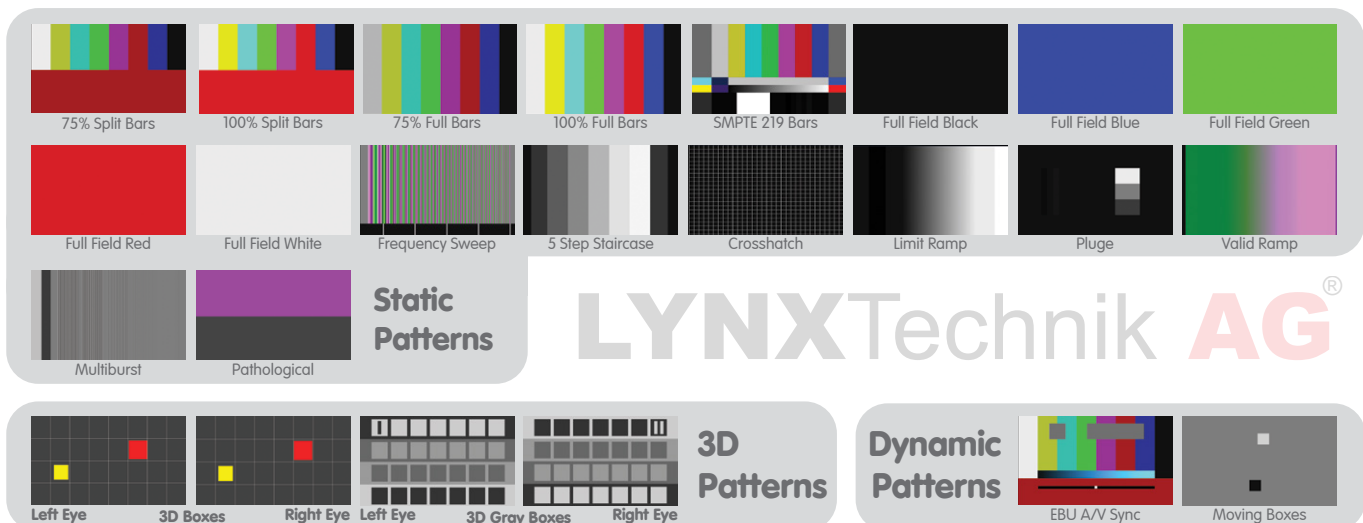
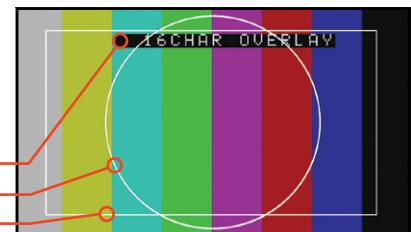
3D test patterns (left eye/right eye)

• Multiple Overlays (Selectable)

Text overlay (16 characters on one line)

Circle overlay

Safe action or safe title markers



LYNXTechnik AG
Broadcast Television Equipment

www.lynx-technik.com

EUROPEAN HEADQUARTERS
LYNX Technik AG
Brunnenweg 3
Weiterstadt, D-64331
Germany
+49 6150 18170

USA HEADQUARTERS
LYNX Technik Inc.
26366 Ruether Avenue
Santa Clarita, CA 91350
USA
+1 661 251 8600

APAC HEADQUARTERS
114 Lavender Street
CT Hub2 #05-92
Singapore 338729
+65 6702 5277

PTG 1802

Testor | lite 3G™

Technical Specifications

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	Power	Internal rechargeable battery. Full charge provides approx 4 Hours continuous use. External power / charge is provided via the USB port. Note: USB port is also used for firmware updates When connected to a standard USB 2.0 port the Testor lite 3G will draw 500mA (max) to charge battery. (if the unit is powered while connected to a USB 2.0 port then it will use the internal battery and is not charging) Charge time 360 minutes approx. (from empty) when connected to standard USB 2.0 port (i.e. computer) with Testor lite 3G switched off If connected to the USB-DCP power supply (included) then the unit can be powered and charged simultaneously. (1.5A). Charge times (from empty): 100 minutes approx. with unit switched off 180 minutes approx. with unit switched on
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	Physical	Size (including connectors): 130 x 77 x 23mm (5.12 x 3.03 x 0.91 inches) Weight: 250g (8.82 oz)
3G Modes	One 3G stream on both BNC 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)	Ambient	Temperature: 5-40°C (41-104°F) Humidity: 90% non condensing
Audio	4 x independent audio channels (2 Stereo pairs) each with adjustable level and frequency Preset frequency selections: 50, 100, 200, 400, 600, 800, 1k, 3k, 6k, 9k, 12k, 15k, 18k, 20kHz 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.	Safety	IEC 60950-1:2005/ EN 60950-1:2006
Sync I/O	1 x BNC connector 75 Ohm / configurable as Input or Output Reference output is the same standard as the selected SDI output SDTV = Bi-level analog sync only (no burst or video content) HDTV = Tri-level analog sync The reference input will lock the Testor to the connected reference SDTV = Bi-level analog sync or Black Burst HDTV = Tri-level analog sync	Includes	PTG 1802 Testor lite 3G Test Pattern Generator, USB-DCP AC power supply (+regional AC plug adapters), USB cable, Quick Reference, User Manual
Patterns	Static Patterns: 100 Split Colorbars, 75 Split Colorbars, 100 Full Bars, 75 Full Bars, SMPTE 219 Colorbars, Full Field Red, Full Field Green, Full Field Blue, Full Field Black, Full field White, Pluge, Crosshatch, 5-Step Staircase, Valid Ramp, Limit Ramp, Multiburst, Frequency Sweep, Pathological EQ/PLL Dynamic Patterns: EBU A/V Sync Pattern, Moving Boxes 3D Patterns: 3D Boxes (left eye / right eye), 3D Gray Boxes (left eye/right eye)	Options	• PTG CASE - Protective case, with window for display viewing and operation. Includes belt clip. • PTG BATT - Replacement rechargeable battery • PTG 1802 ABS Case - Hard shell carry case. Impact dampening for safe transport
Overlays	Text Overlay: Single line, 16 characters max, static or scrolling horizontally Circle: 1 pixel circle centered on test pattern Markers: Safe Action or Safe Title markers per SMPTE RP218-2002		

PTG CASE

Protect your Testor | lite 3G with the optional fabric case. Includes a window to view and operate the display plus a belt clip.



PTG BATT

Replacement rechargeable battery
NOTE: Testor | lite 3G is not designed for frequent battery exchanges using a spare. Only exchange battery when installed unit has depleted. Some disassembly is required.



PTG 1802 ABS CASE

Hard shell carry case. Impact dampening foam inlay protects PTG 1802 from most workplace hazards.



PTG-1802-rev5 - Specifications subject to change