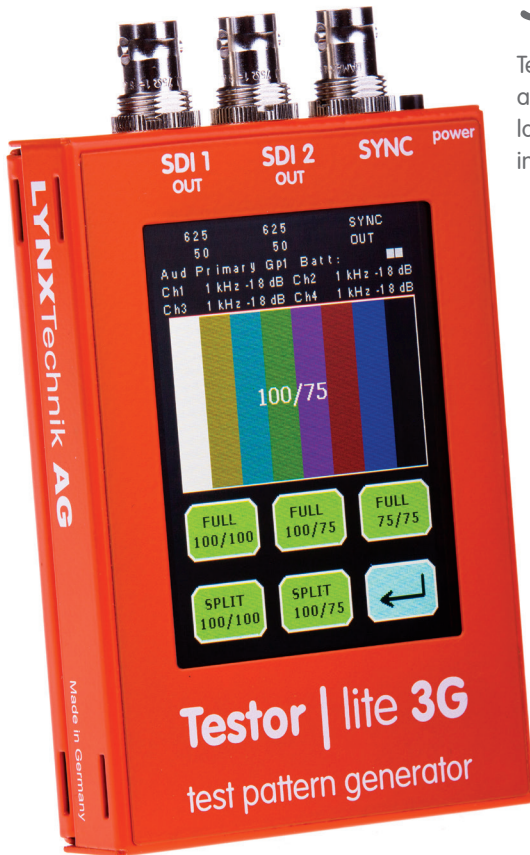


# PTG 1802

# 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

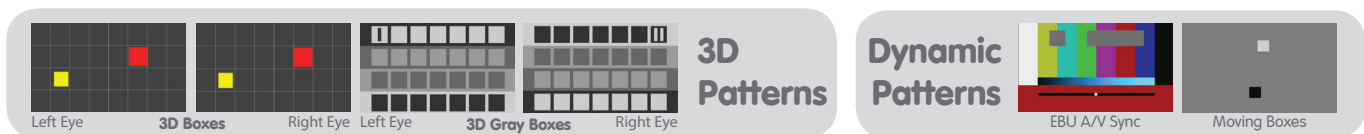
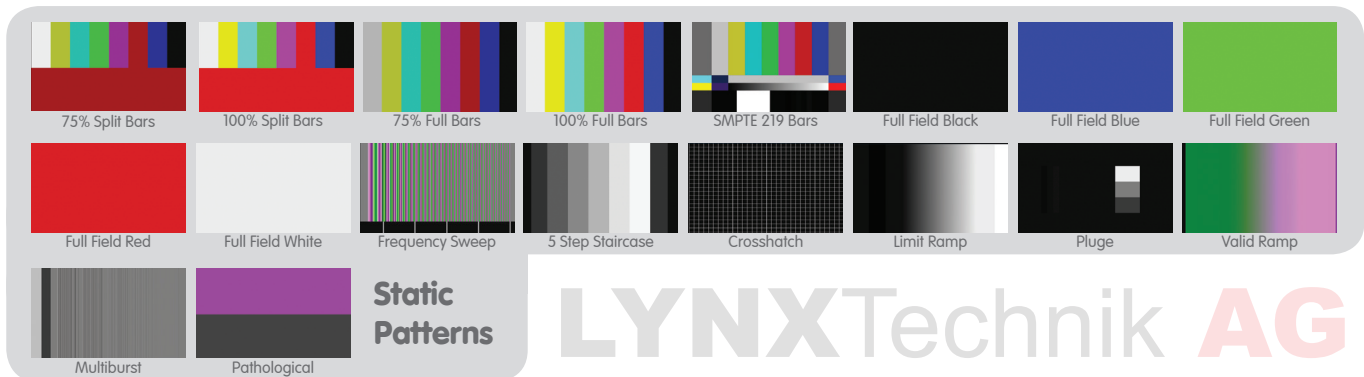
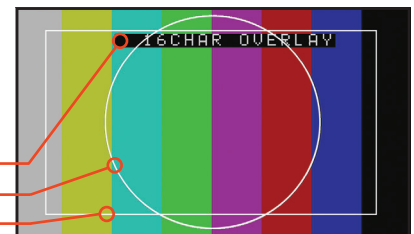
3D test patterns (left eye/right eye)

### • Multiple Overlays (Selectable)

Text overlay (16 characters on one line)

Circle overlay

Safe action or safe title markers



**LYNXTechnik AG**  
Broadcast Television Equipment

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# PTG 1802

# Testor™ | lite 3G

## Technical Specifications

<b>SDI Outputs</b>	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	<b>Power</b>	Internal rechargeable battery. Full charge provides approx 4 Hours continuous use. External power / charge is provided via the USB port. <b>Note:</b> 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
<b>Video Formats</b>	<b>SDTV 270Mbit:</b> 525 (480i/59.94), 625 (576i/50) <b>HDTV 1.5Gbit:</b> 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 <b>HDTV 3G:</b> 1080p/60, 1080p/59.94, 1080p/50	<b>Physical</b>	Size (including connectors): 130 x 77 x 23mm (5.12 x 3.03 x 0.91 inches) Weight: 250g (8.82 oz)
<b>3G Modes</b>	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)	<b>Ambient</b>	Temperature: 5-40°C (41-104°F) Humidity: 90% non condensing
<b>Audio</b>	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. <b>Note:</b> When SMPTE 525 dual stream or dual link mode is used, audio is embedded into both streams.	<b>Safety</b>	IEC 60950-1:2005/ EN 60950-1:2006
<b>Sync I/O</b>	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	<b>Includes</b>	<b>PTG 1802</b> Testor   lite 3G Test Pattern Generator, USB-DCP AC power supply (+regional AC plug adapters), USB cable, Quick Reference, User Manual
<b>Patterns</b>	<b>Static Patterns:</b> 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 <b>Dynamic Patterns:</b> EBU A/V Sync Pattern, Moving Boxes <b>3D Patterns:</b> 3D Boxes (left eye / right eye), 3D Gray Boxes (left eye/right eye)	<b>Options</b>	Option: <b>PTG CASE</b> - Cloth protective case, with window for display viewing and operation. Includes belt clip. Option: <b>PTG BAIT</b> - Replacement rechargeable battery <i>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.</i>
<b>Overlays</b>	<b>Text Overlay:</b> Single line, 16 characters max, static or scrolling horizontally <b>Circle:</b> 1 pixel circle centered on test pattern <b>Markers:</b> Safe Action or Safe Title markers per SMPTE RP218-2002		

Specifications subject to change

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