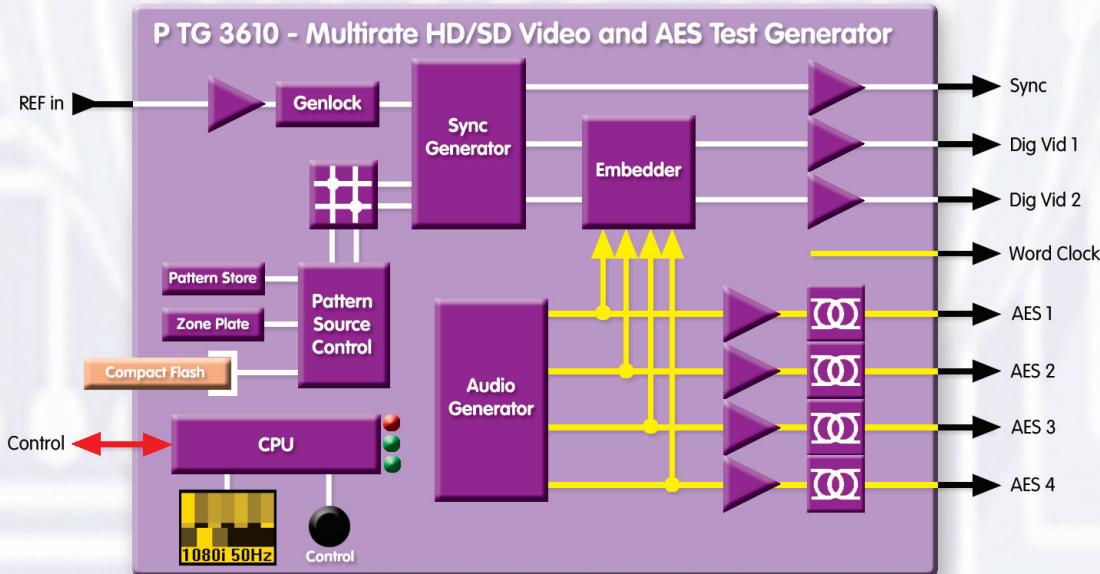




## SD/HD SDI Video & AES Test Generator

Testor is a compact hand held broadcast quality digital test signal generator designed for today's demanding multi-format digital infrastructures. Ideally suited for signal path integrity testing the Testor provides digital video test patterns with embedded and external AES audio test signals. The flexible multi-format genlock input with cross lock capability and fully adjustable timing also allows signals to be inserted into any part of a modern digital multi-format system.



# features



## Multi-format Operation.

Choose from SDTV (**525** 50.94Hz / **625** 50Hz) or the following HDTV standards **1080i** 59.94Hz / 60Hz / 50Hz / **720P** / 60Hz / 59.94Hz 50Hz / 30Hz / 29.97Hz / 25Hz / 24Hz / 23.98Hz **1080P** 30Hz / 29.97Hz / 25Hz / 24Hz / 23.98Hz **1080PSF** 25Hz / 24Hz / 23.98Hz



## Two Simultaneous Digital Video Outputs.

Each output can have a different test pattern assigned from the internal test pattern library.



## 8 Channel Audio Test Generator.

8 independent digital audio test signals are provided (20 or 24 bit). Each channel has fully adjustable gain (0 to -60db FS), test tone frequency (20Hz to 20KHz in 1KHz steps), adjustable phase and selectable momentary pause (silence). The 8 audio channels are arranged into 8 x AES streams and can be embedded into both video outputs and also 4 x AES supplied as external signals.



## Comprehensive Test Pattern Library.

An internal library of static standard test patterns is included, as well as dynamic patterns including a real time zone plate generator IRT audio synchronization pattern and a LCD panel persistence test.



## Integrated Compact Flash Slot.

Load additional static test patterns from the supplied CF card or load your own patterns using standard DPX files.



## Genlock with Cross Lock and Input Timing

Flexible reference input allows the Testor to genlock to SDTV analog bi-level sync or HD tri-level sync sources (auto detect standard). Cross lock capability allows a SDTV ref sync input to generate a genlocked HD tri-level output sync (and visa versa). Input timing adjustment of one frame is provided adjustable in lines and pixels so the Testor can be genlocked and timed into any system installation.



## Word Clock Reference Output.

A 48KHz +5v TTL word clock reference signal is provided for audio applications which require an external reference. Both the video sync and word clock outputs will free run with no reference connected and can be used a sync reference source. With reference sync presence, all video / audio / sync and word clock outputs are frequency locked to reference.



## Character Overlay.

User defined character overlay for source identification purposes. Provides 22 characters overlay with selectable font color, background color and screen position. Separate character generator provided for each of the two video outputs.



## Integrated Display for Control and Configuration.

A simple monochromatic display is provided which can show the selected test pattern for each output as well as providing the on screen menu and control selections. Control and setup is simple using the integrated rotary / push switch control knob.



## Integrated CPU with Flash Ram.

All settings made to Testor are automatically stored in internal flash ram and are preserved through power cycles and long term storage. No loss of module settings should AC power fail or if the module gets accidentally disconnected or a battery fail.



## PC Interface for Control and Configurations.

As an alternative to the integrated local control it's also possible to use USB Service Adapter to program and control the Testor using a standard Windows PC or laptop. The on screen GUI to simplifies Testor configuration set-up and control. Settings are stored into internal flash ram.



## Flexible Power Options.

Depending on the application you might choose one or all of the available power options for Testor. Use AC power from a LYNX AC power brick or the LYNX re-chargeable battery belt back, or for mobile production use the convenient Anton Bauer battery adapter which allows the use of any standard camera Anton Bauer battery or use the XLR power adapter for any battery (9-15v).

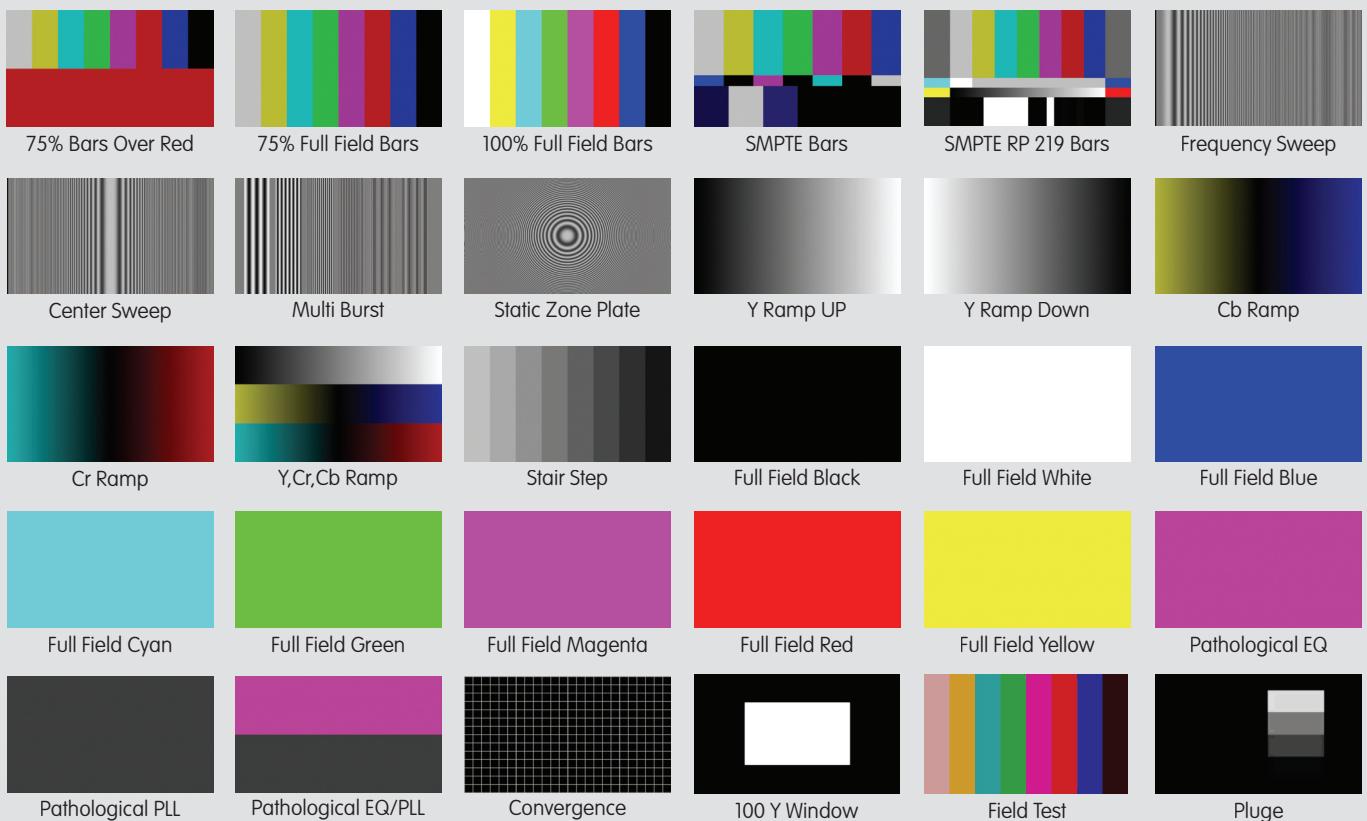


## Simple Future Upgrades.

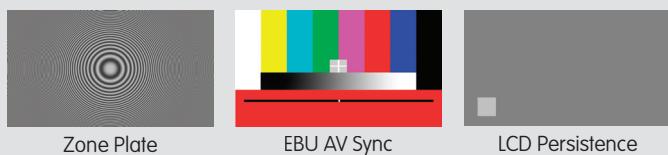
Your investment is protected as Testor is fully programmable. Any additional features, firmware revisions or bug fixes can be programmed into all Testors ( requires unit is returned to a LYNX service center )

# patterns

## Static Test Patterns



## Dynamic Test Patterns



## Design and Load Your Own Patterns

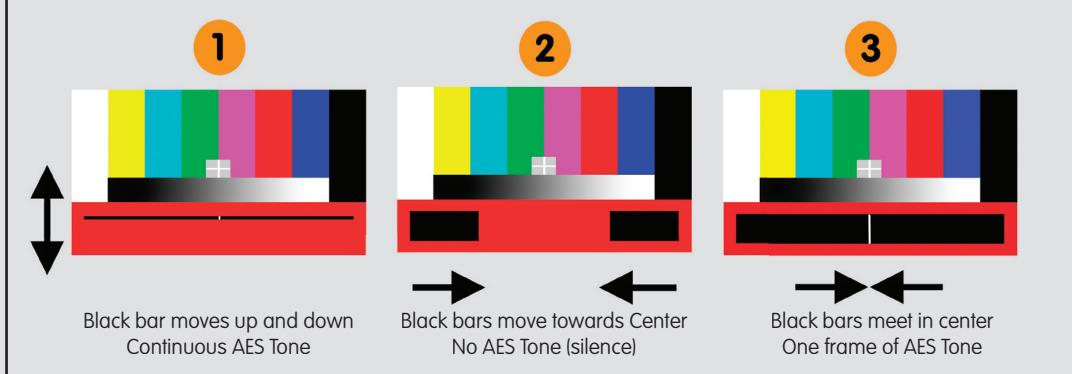
With the compact flash slot enabled its possible to load any standard DPX file into Testor for as a custom test pattern, or download additional test patterns from the LYNX website.

### Character Overlay



- User defined text (22 characters)
- User defined font color
- User defined background color
- User defined screen position
- Independent for each output

### EBU AV Sync Test Pattern



# ordering info / options

## Basic Tester



**P TG 3610 B**

With BNC Connections for external unbalanced AES3id audio



**P TG 3610 D**

With SubD Connector for external balanced AES3 audio

## Package Details



### Includes

Testor Test Generator (B or D version)  
CF Memory card  
In line AC power supply  
IEC power cord  
USB service Adapter + USB cable  
User Manual (on CD)  
Plastic Transport Case



## Other Options

### R AC M15-4

Audio breakout cable  
for "D" version of Testor **ONLY**.  
15 pin SubD to 4 x male in line  
XLR connectors



### Europe + EMAC

#### **LYNXTechnik AG**

Brunnenweg 3  
D-64331 Weiterstadt  
Germany

Phone + 49 (0) 6150 1817 0  
Fax + 49 (0) 6150 1817 100  
Email: [info@lynx-technik.com](mailto:info@lynx-technik.com)

### USA, Canada, South America

#### **LYNXTechnik AG**

26366 Ruether Ave  
Santa Clarita, CA 91321  
USA

Phone: + 1 (661) 251 8600  
Fax: + 1 (661) 251 8088  
Email: [infousa\(at\)lynx-technik.com](mailto:infousa(at)lynx-technik.com)

### ACPAC

#### **LYNXTechnik AG**

190 Middle Road#19-05  
Fortune Centre 188979  
Singapore

Phone: +65 68261000  
Fax: +65 68261007  
Email: [joehant@lynx-technik.com](mailto:joehant@lynx-technik.com)