

SYNC PULSE GENERATORS AND TEST EQUIPMENT



Leitch is well known for its expertise in high frequency stability oscillator technology. This knowledge is used in SPG and clock system products, both of which rely on long term frequency stability to avoid errors and recalibration maintenance costs.

Frequency Stability

Major television networks tend to use Leitch Sync Pulse Generators to drive their downstream genlock SPGs. These master SPGs have a frequency stability of 0.1Hz of subcarrier frequency drift per month, so the need for recalibration is almost non-existent. SPGs use the Leitch system of crystal temperature control.

The regular line of Leitch genlock SPGs may also be used as masters. They too have very high frequency stabilities.

NTSC Applications

For NTSC applications, Leitch offers everything from a 2RU Master with spare slots for multiple independently timeable color blacks, test generators, source IDs and tone generators, to a simple SPG on a DA size card. Even this model, the SPG-1680N, by itself has an impressive list of features not normally found on full size SPGs. The Sixteen Eighty may be used alongside standard Leitch distribution amplifiers in standard DA frames.

PAL Applications

Leitch PAL SPGs use the same high frequency stability technology as their NTSC equivalents. The SPG-1510P range also has advanced computer control capability to enable timing of many units to be controlled by a central computer.

Test Generators

Test generators are available for both 525 and 625 line standards and with composite or component test signals.



SPGs & TSGs

NTSC/PAL STANDARDS

- SPG-1600** Sync Pulse Generator
- 1600DG** Digital Generator

NTSC STANDARD

- SPG-1312N/
SPG-2612N** NTSC Super Master Sync Pulse Generator
- SPG-1313N/
SPG-2613N** NTSC Super Master Sync Pulse Generator
- SPG-1302N/
SPG-2602N** NTSC/D2 Sync Pulse Generator
- TSG-1302N** NTSC/D2 Test Signal Generator
- 2602TG** DG NTSC/D2 Test Generator
- 1302BB** NTSC Bars, Black, and Ident
- 1302BT** NTSC Black and Tone
- 1302PG** NTSC Pulse Generator
- 2602ES** NTSC/D2 PROM-Slide®
- 1302SI** Video Source Ident/Time Code Reader
- TCC-1302** Time Code Converter
- 1302SG** NTSC Sync Generator Module
- 1312CS** NTSC Color Standard Module
- 2600RP** Remote Panel
- SPG-1680N** Series NTSC Sync Pulse Generator
- ACO-131** NTSC/PAL Automatic Changeover Unit

PAL STANDARD

- SPG-1500P/
SPG-1510P** PAL Sync Pulse Generator
- 1510TG/
1510CG** PAL and Component Test Generator Modules
- TSG-1510P/
CTG-1510P** PAL and Component Test Signal Generators
- VTG-6801-1MB** Stand-alone Serial Test Generator
(See 6800 Series)
- VTG-6801-1AMB** Stand-alone Serial Test Generator
with Embedded Audio (See 6800 Series)