



MASTER BLACKBURST GENERATOR PAL/NTSC w/ TONE MODEL IEC-712



FEATURES

- ◆ NTSC/PAL
- ◆ ± 5 ppm Stability
- ◆ Pedestal On/Off
- ◆ 1 KHZ & 400Hz Tone
- ◆ Six Blackburst Outputs
- ◆ Modulated Ramp On/Off
- ◆ Options, 1ppm and 0.5ppm

The IEC-712 Blackburst Generator provides six precision blackburst outputs for system distribution. Its stable internal timebase is digitally derived. The flawless performance places it a cut above the competition at a price that makes it attractive to the most cost conscious buyer. The IEC-712 is perfect for the studio, remote locations, or production facilities where an economical yet accurate multiple-blackburst source is needed.

Both NTSC and PAL television systems are supported and selectable from the front panel. Also an AC line voltage switch is located on the front panel for ease of selecting the proper AC line supply.

The IEC-712 comes standard with a 5ppm crystal oscillator. Two optional crystals are available for 1ppm and 0.5ppm operation; specify if the 1ppm and 0.5ppm is required.

In addition, a high quality dual sine wave tone generator is provided for audio system testing. A rear panel terminal block allows for easy connection to the system. The balanced, low impedance output conforms to Audio Engineering Society (AES) standards for audio distribution. A front panel switch selects between 400 Hz or 1 KHz.

Two additional operational controls on the front panel provide modulated ramp on and off, and black set-up on and off. The green power LED confirms all supply voltages are working.

Packaged in Link Electronics attractive 700 Series case, the IEC-712 Blackburst Generator combines economy and ease of use for the video professional.

Three of the 700 series units may be mounted in the PRT-700 19" rack tray.

MODEL IEC-712 MASTER BLACKBURST GENERATOR With 1KHz & 400Hz Tone

SPECIFICATIONS

OUTPUTS:

Blackburst:
 Number: Six
 Standard: NTSC SMPTE 170M
 PAL, CCIR 624 System B,G,H,I
 Levels:
 Sync: 40 IRE(0.286Vpp)
 Pedestal: 7.5 IRE (0.054Vpp)
 Burst: 40 IRE (0.286Vpp)
 Connector: BNC
 Impedance: 75 Ohms \pm 1%
 Timebase Stability: 5ppm Standard
 1ppm, Optional
 0.5ppm, Optional
 (0° to +70° at 27.00MHz)
 Tilt and Overshoot: < 0.5%
 Sync Rise Time: 140nS \pm 20ns NTSC
 250nS \pm 50nS PAL
 Burst Envelope: 2.5 μ S \pm 280nS NTSC
 2.25 μ S \pm 225nS PAL
 S/N Ratio: >60dB
 Jitter/Phase Noise: <2nS

MECHANICAL:

Height: 1"
 Width: 5.5"
 Depth: 9.25"
 Weight: 2 lbs. 8 oz

AUDIO:

Number: One, Selectable
 Configuration: Balanced, Low Imp.
 Level: 0 dBm \pm 1%
 Frequency: 1 KHz & 400 Hz \pm 1%
 Switchable between the two
 Impedance: 66 Ohm \pm 5%
 THD: Approx. 0.2%
 S/N Ratio: >80dB
 Connectors: Positive Capture Screw

FRONT PANEL CONTROLS:

27.0 MHz oscillator frequency adjustment
 (Adjustment range \pm 50ppm minimum.), AC Line
 Select (115/220), Audio Tone (1 KHz/400 Hz), Test
 On/Off (Modulated Ramp), Pedestal On/Off,
 Standard (NTSC/PAL).

INTERNAL CONTROLS:

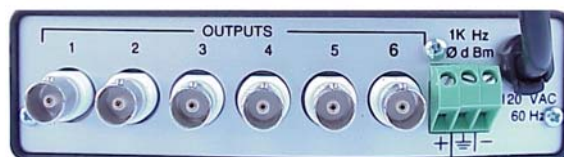
Sync and pedestal level, SC/H phase \pm 10°, Burst
 level, Level control for 400 Hz and 1 KHz.,
 Frequency control of 400 Hz and 1 KHz.

POWER REQUIREMENTS:

Voltage: 120/240VAC 50/60 Hz \pm 10%
 Front panel switchable
 Power: 6.6 VAR



PRT-700 RACK TRAY



IEC-712 REAR PANEL